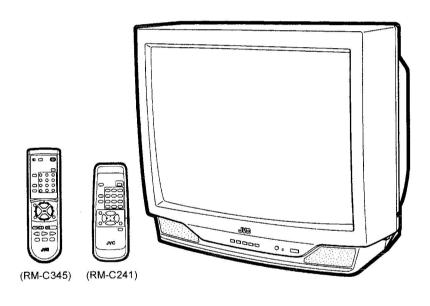
JVC

SERVICE MANUAL

COLOR TELEVISION

AV-27020_(US&CA) AV-27015_(US&CA) BASIC CHASSIS

FV2



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SPECIFICATIONS

Itama	Contents		
Items	AV-27020(US&CA)	AV-27015(US&CA)	
Dimensions (W×H×D)	25-3/4" × 23-3/8" × 19-1/2" / 65.4cm × 59.3cm × 49.4cm		
Mass	68.5 lbs / 31.1 kg		
TV RF System	CCIR(M)		
Color Sound System	NTSC, BTSC System (Multi Channel Sound)		
TV Receiving Channels and Frequency			
VL Band	(02~06) 54MHz~88MHz		
VH Band	(07~13) 174MHz~216MHz		
UHF Band	(14~69) 470MHz~806MHz		
CATV Receiving Channels and Frequency			
Low Band	(02~06, A-8) by (02~06&01)		
High Band	(07~13) by (07~13)		
Mid Band	(A~1) by (14~22)	(54MHz~804MHz)	
Super Band	(J~W) by (23~36)	(6 () (1) (2)	
Hyper Band	(W+1~W+28) by (37~64)		
Ultra Band	(W+29~W+84) by (65~125)		
Sub Mid Band	(A8, A4~A1) by (01, 96~99)		
TV/CATV Total Channel	180 Channels		
Intermediate Frequency			
Video IF Carrier	45.75MHz		
Sound IF Carrier	41.25MHz (4.5MHz)		
Color Sub Carrier	3.58MHz		
Power Input	120V AC, 60Hz		
Power Consumption	113W (US) / 1.8A (CA)		
Picture Tube	27" (68cm) Measured Diagonally		
High Voltage	29kV±1kV (at zero beam current)		
Speaker	2" × 3-1/2" / 5 × 9cm Oval type × 2		
Audio Power Output	1.2W × 2		
Input			
Video Input	1Vp-p, 75Ω (RCA pin jack)		
Audio Input (R/L)	500mVrms (-4dBs), High Impedance (RC	CA pin jack)	
S-Video	Y: 1Vp-p Positive (negative sync provide	d,	
	when terminated with 75 Ω)		
	C: 0.286Vp-p (burst signal, when terminate	ed	
	with 75Ω)		
Variable Audio Output (R/L)	More then 0~1550mVrms (+6dBs)		
	Low impedance (400Hz when modulate	ed	
	100%)		
	(RCA pin jack)		
Antenna terminal	75Ω(VHF/UHF) Terminal, F-Type Connector		
Remote Control Unit	RM-C345-1A	RM-C241-1H	
	(AA/R6/UM-3 battery × 2)	(AA/R6/UM-3 battery × 2)	
	(= = :	(Janes of Buttery x 2)	

Design & specification are subject to change without notice.

SAFETY PRECAUTIONS

- The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- 3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (Δ) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- 4. Use isolation transformer when hot chassis.

The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.

 Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.

Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (⊥) side GND, the ISOLATED(NEUTRAL): (⊥) side GND and EARTH: (⊕) side GND. Don't short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND at the same time.

- If above note will not be kept, a fuse or any parts will be broken.

 6. If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).
- 7. The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- 8. Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10k Ω 2W resistor to the anode button.
- 9. When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

10. Isolation Check

(Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

(1) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.

(.... Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)

This method of test requires a test equipment not generally found in the service trade.

(2) Leakage Current Check

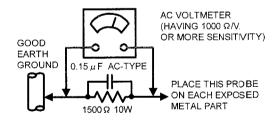
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a $1500\,\Omega$ 10W resistor paralleled by a $0.15\,\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).

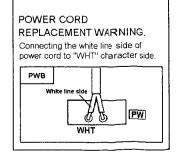


11. High voltage hold down circuit check.

After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.

See item "How to check the high voltage hold down circuit".

This mark shows a fast operating fuse, the letters indicated below show the rating.



FEATURES

- New chassis design enables use of a single board with simplified circuitry.
- Provided with miniature tuner (TV/CATV).
- Multifunctional remote control permits picture adjustment.
- Adoption of the CHANNEL GUARD function prevents the specific channels from being selected, unless the "ID number" is key in.
- I²C bus control utilizes single chip ICs.
- Adoption of the VIDEO STATUS function.
- Adoption of the ON/OFF TIMER function.

- With 75 ΩV/U in common (F-Type) ANT Terminal.
- SLEEP TIMER for setting in real time.
- Closed-caption broadcasts can be viewed.
- Audio Video input terminal.
- Built-in MTS system.
- Built-in HYPER-SURROUND system. [AV-27020]
- S-VIDEO input terminal for taking best advantage of Super VHS.

[AV-27020]

● Variable Audio output terminal. [AV-27020]

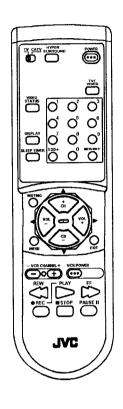
DIFFERENCE LIST OF MAIN PARTS

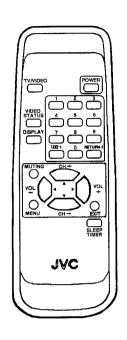
Δ	Model name Parts Name	AV-27020(US)	AV-27020(CA)	AV-27015(US)	AV-27015(CA)
	MAIN PWB	SFV-1016A-M2	-	SFV-1017A-M2	-
Δ	RATING LABEL	CM23034-001-A	CM22999-A01-A	CM23034-001-A	CM22999-A01-A
Δ	REAR COVER	LC10082-001D-A	4	LC10082-002A-A	4
	TAP SCREW	SBSB3010Z (×2)	◄	SBSB3010Z (×1)	◄
******************************	REMOCON UNIT	RM-C345-1A	-	RM-C241-1H	4
	SVC CENTER LIST	×	BT-20071B-Q	×	BT-20071B-Q
	WARRANTY CARD	×	BT-52002-1Q	×	BT-52002-1Q
Δ	INST BOOK (FRENCH)	×	LCT0306-001A-A	×	LCT0306-001A-A
	REGI. CARD	BT-51006-1Q	×	BT-51006-1Q	×

FUNCTIONS

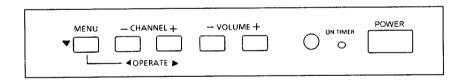
■ REMOTE CONTROL UNIT [AV-27020(US&CA):RM-C345-1A]



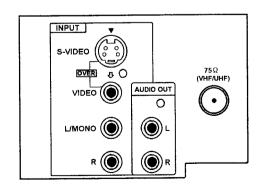




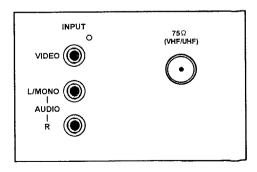
■ FRONT PANEL



■ REAR PANEL [AV-27020(US&CA)]



[AV-27015(US&CA)]



SPECIFIC SERVICE INSTRUCTIONS

DISASSEMBLY PROCEDURE

REMOVING THE REAR COVER

1. Unplug the power supply cord.

[For AV-27020]

2. Remove the 7 screws marked (A) and 2 screws marked (B) as shown in Fig.1.

[For AV-27015]

- 2. Remove the 7 screws marked (A) and a screw marked (B) as shown in Fig.1.
- 3. Withdraw the REAR COVER toward you.

[CAUTION]

 When reinstalling the rear cover, carefully push it inward after inserting the MAIN PWB into the rear cover groove.

REMOVING THE MAIN PW BOARD

- After removing the rear cover.
- 1. Pick this side of the MAIN PWB and raise one slightly, take off the PWB stopper marked © from the cabinet bottom.
- Pull out the MAIN PWB as it is. (If necessary, take off the wire clamp and connectors, etc.)

REMOVING THE SPEAKER

- · After removing the MAIN PW board.
- 1. Remove the 2 screws marked (1) as shown in Fig.1.
- 2. Withdraw the speaker backward.
- 3. Follow the same steps when removing the other hand speaker.

CHECKING THE MAIN PW BOARD

- 1. To check the back side of the MAIN PW Board.
- 1) Pull out the MAIN PWB. (Refer to REMOVING THE MAIN PWB).
- Erect the chassis vertically so that you can easily check the back side of the MAIN PW Board.

[CAUTION]

- When erecting the MAIN PWB, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the CRT earth wire and other connectors are properly connected.

WIRE CLAMPING AND CABLE TYING

- 1. Be sure clamp the wire.
- Never remove the cable tie used for tying the wires together.Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

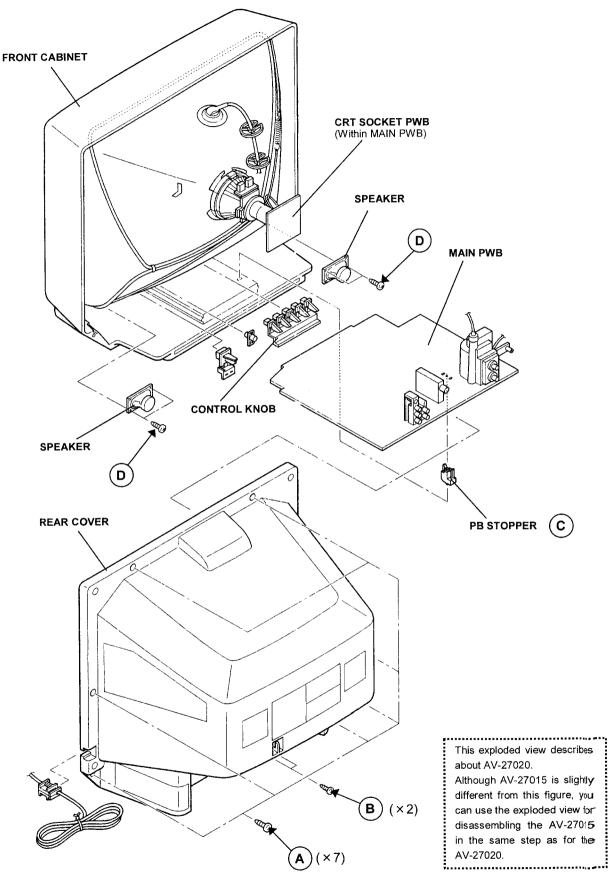


Fig.1

MEMORY IC REPLACEMENT

1. Memory IC

This model use a memory IC.

This memory IC stores data for proper operation of the video and deflection circuits.

When replacing, be sure to use an IC containing this (initial value) data.

2. Memory IC replacement procedure

Procedure	Screen display
(1) Power off Switch off the power and disconnect the power cord from the outlet.	
(2) Replace the memory IC Initial value must be entered into the new IC.	
(3) Power on Connect the power cord to the outlet and switch on the power.	
 (4) System constant check and setting Press SLEEP TIMER key and, while the indication of "SLEEP TIMER 0 MIN." is being displayed, press DISPLAY key and VIDEO STATUS key on the remote control unit simultaneously. The SERVICE MENU screen of Fig.1 is displayed. While the SERVICE MENU is displayed, again simultaneously press the DISPLAY and VIDEO STATUS keys to display the Fig.2 SYSTEM CONSTANT screen. Refer to the SYSTEM CONSTANT table and check the setting items. Where these differ, select the setting item with the MENU UP/DOWN key and adjust the setting with the MENU LEFT/RIGHT keys. (The letters of the selected item are displayed in yellow.) After adjusting, release the MENU LEFT/RIGHT key to store the setting value. Press the EXIT key twice to return the normal screen. 	SERVICE MENU PICTURE SOUND GAME LOW LIGHT HIGH LIGHT RF AFC CHK VCO(CW) SELECT BY FEXIT BY OPERATE BY FIG. 1
(5) Receive channel setting Refer to the OPERATING INSTRUCTIONS(USER'S GUIDE) and set the receive channels (Channels Preset) as described. (6) User settings Check the user setting items according to Table 2. Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.	SYSTEM CONSTANT MTS : YES VARI.OUT : ** V-CHIP : NO SURROUND : ** S-VIDEO : ** SIZE : 27V SELECT BY FEXIT BY OPERATE BY FIG.2
(7) SERVICE MENU setting Verify what to set in the SERVICE MENU, and set whatever is necessary (Fig.1) Refer to the SERVICE ADJUSTMENT for setting.	

TABLE 1 (System Constant setting)

A	Satting agents	Setting value	
Setting item	Setting content	AV-27020	AV-27015
MTS	YES NO	YES	←
VARI.OUT	YES NO	YES	NO
V-CHIP	YES NO	NO	←
SURROUND	YES NO	YES	NO
S-VIDEO	YES NO	YES	NO
SIZE	→20V/13V → 27V	27V	←

TABLE 2 (User setting value)

1. Use remote controller keys POWER	Setting item	Setting value
CHANNEL CHANNEL PRESET CHANNEL PRESET VOLUME TV/VIDEO TV DISPLAY SLEEP TIMER VIDEO STATUS HYPER SURROUND 2. Setting of MENU TINT COLOR PICTURE BRIGHT DETAIL CENTER BASS TREBLE BALANCE MTS TV SPEAKER NOISE MUTING SET VIDEO STATUS NOISE MUTING SET VIDEO STATUS SET CLOCK ON/OFF TIMER LANGUAGE CLOSED CAPTION BACKGROUND CHOOL CHANNEL SUMMARY SET OPTIONALLY CHOOL CHANNEL SUMMARY SET OPTIONALLY CHOOL CHOOL CHOOL CHOOL COLOR TV TOV TV SEE OPERATING INSTRUCTIONS. SEE OPERATIONS. SEE OP	se remote controller keys	
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CHANNEL SUMMARY SET OPTIONALLY		UNER MODE : AIR
		ET OPTIONALLY
SET LOCK CODE Unnecessary to set		nnecessary to set

SERVICE ADJUSTMENTS

ADJUSTMENT PREPARATION:

- 1. You can make the necessary adjustments for this unit with either the Remote Control Unit or With the adjustment tools and parts as given below.
- Adjustment with the Remote Control Unit is made on the basis of the initial setting values, however, the new setting values which set the screen to its optimum condition may differ from the initial settings.
- 3. Make sure that AC power is turned on correctly.
- Turn on the power for set and test equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
- Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.

- 6. Never touch any adjustment parts which are not specified in the list for this adjustment variable resistors, transformers, condensers, etc.
- 7. Presetting before adjustment.

Unless otherwise specified in the adjustment instructions, preset the following functions with the remote control unit:

VIDEO STATUS	STANDARD
BASS, TREBLE, BALANCE	CENTER
HYPER SURROUND	OFF [AV-27020]
• TINT, COLOR, PICTURE, BRIGHT, DETAIL	CENTER

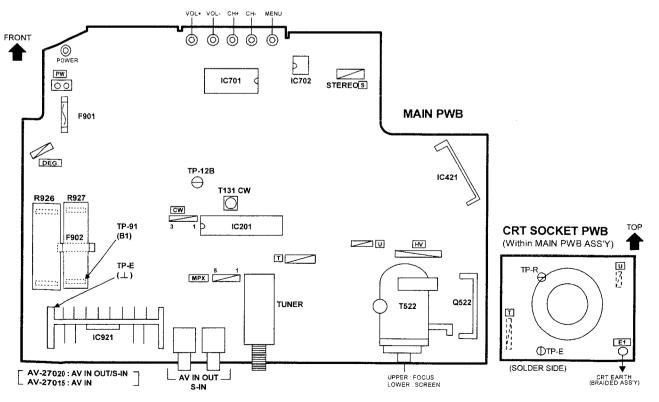
ADJUSTMENT EQUIPMENT

- 1. DC voltmeter (or digital voltmeter)
- 2. Oscilloscope
- 3. Signal generator (Pattern generator) [NTSC]
- 4. Remote control unit
- 5. TV audio multiplex signal generator.
- 6. Frequency counter

ADJUSTMENT ITEMS

Adjustment items	Adjustment items	Adjustment items
B1 POWER SUPPLY	WHITE BALANCE (Low Light)	MTS INPUT LEVEL check
IF VCO	WHITE BALANCE (High Light)	MTS STEREO VCO
RF. AGC	SUB BRIGHT	MTS SAP VCO
FOCUS	SUB CONTRAST	MTS FILTER check
V. SIZE	SUB COLOR	MTS SEPARATION
H. POSITION	SUB TINT	

ADJUSTMENT LOCATIONS



BASIC OPERATION OF SERVICE MENU

1. Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

2. In general, basic setting (adjustments) items or verifications are performed in the SERVICE MENU.

PICTURE This sets the setting values (adjustment values) of the VIDEO/CHROMA and DEFLECTION circuits.

SOUND This sets the setting values (adjustment values) of the AUDIO circuit.

• GAME · · · · · This is used when the GAME MODE is adjusted.

• LOW LIGHT · · · · · This sets the setting values (adjustment values) of the WHITE BALANCE circuit.

• HIGH LIGHT · · · · · This sets the setting values (adjustment values) of the WHITE BALANCE circuit.

• RF AFC CHK This is used when the IF VCO is adjusted. [Do not adjust]

● VCO (CW) · · · · · This is used when the IF VCO is adjusted.

3. Basic Operations of the SERVICE MENU

(1) How to enter the SERVICE MENU.

Press SLEEP TIMER key and, while the indication of "SLEEP TIMER 0 MIN." is being displayed, press DISPLAY key and VIDEO STATUS key on the remote control unit simultaneously to enter the SERVICE MENU screen ① shown in the next figure page.

(2) SERVICE MENU screen selection

Press the UP / DOWN key of the MENU to select any of the following items.

(The letters of the selected items are displayed in yellow.)

PICTURE

SOUND

GAME

LOW LIGHT

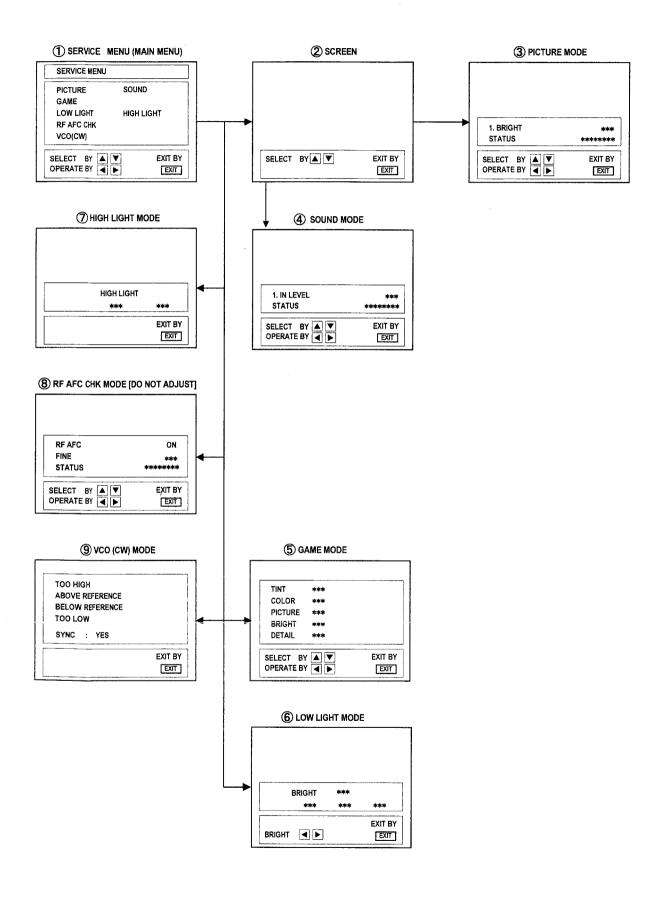
HIGH LIGHT

RF AFC CHK

VCO(CW)

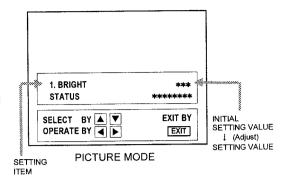
(3) Enter the any setting (adjustment) mode

- PICTURE and SOUND mode
- 1) If select any of PICTURE or SOUND items, and the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the screen ② will be displayed as shown in figure page later.
- 2) Then the UP / DOWN key is pressed, the PICTURE mode screen ③ or the SOUND mode screen ④ is displayed, and the PICTURE or SOUND setting can be performed.
- GAME, LOW LIGHT, HIGH LIGHT, RF AFC CHK and VCO (CW) mode
- 1) If select any of GAME / LOW LIGHT / HIGH LIGHT / RF AFC CHK / VCO (CW) items, and the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the screens ⑤ ⑥ ⑦ ⑧ ⑨ will be displayed as shown in figure page later.
- 2) Then the settings or verifications can be performed.



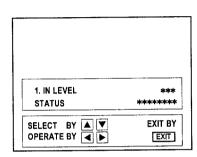
(4) Setting method

- UP / DOWN key of the MENU Select the SETTING ITEM.
- LEFT / RIGHT key of the MENU
 Setting (adjust) the SETTING VALUE of the SETTING ITEM.
 When the key is released the SETTING VALUE will be stored (memorized).
- 3) EXIT key
 Returns to the previous screen.

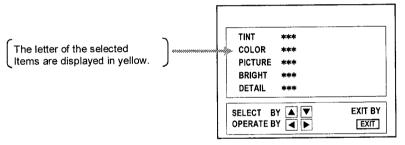


(5) Releasing SERVICE MENU

- 1) After returning to the SERVICE MENU upon completion of the setting (adjustment) work, press the EXIT key again.
- ★ The settings for LOW LIGHT and HIGH LIGHT are described in the WHITE BALANCE page of ADJUSTMENT.
- ★ The setting for VCO (CW) are described in the IF VCO page of ADJUSTMENT.



SOUND MODE



GAME MODE

INITIAL SETTING VALUE OF SERVICE MENU

- 1. Adjustment of the SERVICE MENU is made on the basis of the initial setting values; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.
- 2. Do not change the initial setting values of the setting (Adjustment) items not listed in "ADJUSTMENT".

• PICTURE MODE

- ♦ The four setting items in the video mode No.7 EXT BRI., No.8 EXT PIC., No.11 EXT TINT and No.12 EXT COL. are linked to the items in the TV MODE No.1 BRIGHT, No.2 PICTURE, No.5 TINT and No.6 COLOR, respectively. When the setting items in the TV mode are adjusted, the values in the setting items in the video mode are revised automatically to the same values in the TV mode. (The initial setting values given in () are off-set values.)
- When the four items (No.7, 8, 11 and 12) are adjusted in the video mode, the setting values in each item are revised independently.

No.	Setting (Adjustment) items	Variable range	initial setting value
1.	BRIGHT	0 ~ 127	64
2.	PICTURE	0 ~ 127	77
3.	TV DTL(TV DETAIL)	0 ~ 63	26
4.	TV BPF(TV B.P.FILTER)	0/1	0
5.	TINT	0 ~ 127	66
6.	COLOR	0 ~ 127	50
7.	EXT BRI.(EXT.BRIGHT)	±25	(-2)
8.	EXT PIC.(EXT.PICTURE)	±25	(±0)
9.	EXT DTL(EXT.DETAIL)	0 ~ 63	26
10.	EXT BPF(EXT.B.P.FILTER)	0/1	0
11.	EXT TINT	±25	(±0)
12.	EXT COL.(EXT.COLOR)	±25	(+1)
13.	VSIZE	0 ~ 63	38
14.	V CENT.(V.CENTER)	0 ~ 7	0
15.	HPOS.(H.POSITION)	0 ~ 31	18
16.	OSD HP (OSD H POSITION)	0 ~ 31	23
17.	OSD VP (OSD V POSITION)	0 ~ 15	14
. 18.	H. AFC	0/1	0
19.	RF AGC	0 ~ 63	40

SOUND MODE

No.	Setting (Adjustment) item	Variable range	Initial setting value
1.	IN LEVEL (INPUT LEVEL)	0~63	29
2.	FH MON. (FM MONITOR)	0/1	o
3.	ST VCO (STEREO VCO)	0~63	20
4.	PILOT (PILOT CANCELER)	0/1	0
5.	FILTER	0~63	25
6.	LOW SEP. (LOW SEPARATION)	0~63	32
7.	HI SEP. (HI SEPARATION)	0~63	16
8.	5FH MON. (5FH MONITOR)	0/1	o
9.	SAPVCO	0~63	14
10.	FIL. OFF.	±10	0

• GAME MODE

Setting (Adjustment) item	Variable range	Initial setting value
TINT	±20	±0
COLOR	±20	±0
PICTURE	±20	-10
BRIGHT	±20	-5
DETAIL	±15	+5

• LOW LIGHT MODE

Setting (Adjustment) item	Variable range	initial setting value
R CUTOFF	0 ~ 255	20
G CUTOFF	0 ~ 255	20
B CUTOFF	0 ~ 255	20

• HIGH LIGHT MODE

Setting (Adjustment) item	Variable range	initial setting value
G DRIVE	0 ~ 255	128
B DRIVE	0 ~ 255	128

• RF AFC CHK MODE

Setting (Adjustment) item	Variable range	initial setting value
RF AFC	ON/OFF	ON (DO NOT)
FINE	-77 ~ +77	±×× (ADJUST)

ADJUSTMENTS

B1 POWER SUPPLY

ltem	Measuring instrument	Test point	Adjustment part	Description
Check of	DC Voltmeter	TP-91 (B1)		Receive a black-and-white signal.
B1 POWER SUPPLY		TP-E(⊥)		Connect the DC Voltmeter to TP-91 (B1) and TP-E(⊥). Confirm that the voltage is DC134V +2V -2.5V.

ADJUSTMENT OF VIDEO / DEF. CIRCUIT

ltem	Measuring instrument	Test point	Adjustment part	Description
IF VCO adjustment	Signal generator TOO HIGH ABOVE REFERE	ENCE		 Under normal conditions, no adjustment is required. Receive a NTSC broadcast. (use channels without offset frequency). Select the VCO(CW) mode from the SERVICE MENU. Confirm the color change (yellow) from "TOO HIGH" to "TOO LOW" by CW TRANSF. and "SYNC: YES" being shown on the screen. Then, adjust CW TRANSF. until "BELOW REFERENCE" mark turns yellow and confirm again "SYNC: YES" being shown on the screen.
RF. AGC adjustment			No.19 RF AGC	 Receive a broadcast. Select "No.19 RF AGC" of the PICTURE MODE. Press the MUTE key and turn off color. With the MENU LEFT key, get noise in the screen picture. (0 side of setting value) Press the MENU RIGHT key and stop when noise disappears from the screen. Change to other channels and make sure that there Is no irregularity. Press the MUTE key and get color out.
FOCUS adjustment	Signal generator		FOCUS VR [In HVT]	 Receive a crosshatch signal. While looking at the screen, adjust FOCUS VR so that the vertical and horizontal lines will be clear and in fine detail. Make sure that the picture is in focus even when the screen gets darkened.

Item	Measuring instruments	Test point	Adjustment part	Description
V.SIZE Adjustment	Signal generator	en size	No.13 V.SIZE	 Receive a crosshatch signal. Select No.13 V.SIZE in the PICTURE MODE. Set the initial setting value of No.13 V.SIZE with the LEFT / RIGHT key of the MENU. Adjust No.13 V.SIZE until the vertical screen size is 92%.
Screen size 92%	Picture	size 100%	Picture size 100%	
H.POSITION Adjustment	Signal generator		No.15 H.POS	 Receive a crosshatch signal. Select the No.15 H.POS of the PICTURE MODE. Set the initial setting value of the No.15 H.POS with the LEFT / RIGHT key of the MENU. Adjust the No.15 H.POS until the screen will be horizontally centered.

Item	Measuring instruments	Test point	Adjustment part	Description
WHITE BALANCE (Low Light) Adjustment	Signal generator		BRIGHT R. CUTOFF G. CUTOFF B. CUTOFF SCREEN VR [in HVT]	 Receive a black-and-white signal.(Color off) Select the [LOW LIGHT] MODE from the SERVICE MENU. Set the initial setting value of BRIGHT with the LEFT / RIGHT key of the remote control unit. Set the initial setting value of R CUTOFF, G CUTOFF and B CUTOFF with the 4 to 9 key of the remote control unit. Display a single horizontal line by pressing the ①key of the
	[LOW LIGHT] MODE G CUTOFF BRIGHT B CUTOFF BRIGHT *** *** *** EXIT BY BRIGHT EXIT		KIT BY	remote control unit. 6. Turn the screen VR all the way to the left. 7. Turn the screen VR gradually to the right from the left until either one of the red, blue or green colors appears faintly. 8. Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the 4 to 9 keys of the remote control unit. 9. Turn the screen VR to where the single horizontal line glows faintly. 10. Press the 2 key to return to the regular screen. * The 3 EXIT key is the cancel key for the WHITE
	REMOT H.LINE ON 1 R CUTOFF ▲ 0 4 R CUTOFF ▼ 0	Ž G CUTOFF▲ B C	EXIT 3 UTOFF 6 UTOFF 9	BALANCE.
WHITE BALANCE (High Light) Adjustment	Signal generator [HIGH	LIGHT] MODE	G. DRIVE B. DRIVE	 Receive a monoscope pattern signal. Select the [HIGH LIGHT] MODE in the SERVICE MENU. Set the initial setting value of G DRIVE and B DRIVE with the ⑤, ⑥, ⑧ and ⑨ keys of the remote control unit. Adjust the screen until it becomes white using the ⑤, ⑥, ⑧ and ⑨ keys of the remote control unit. The ③ (EXIT) key is the cancel key for the WHITE BALANCE.
	1 1 2		T BY	Remote Control Unit ① key: H.LINE ON ② key: H.LINE OFF ③ key: EXIT ⑤ key: G DRIVE ▲ ⑥ key: B DRIVE ▲ ⑧ key: G DRIVE ▼ ⑨ key: B DRIVE ▼

Item	Measuring instruments	Test point	Adjustment part	Description
SUB BRIGHT Adjustment			No.1 BRIGHT	Receive a broadcast. Select No.1 BRIGHT of the PICTURE MODE. Set the initial setting value of the No.1 BRIGHT with the LEFT / RIGHT key of the MENU. If the brightness is not best with the initial setting value, make fine adjustment of the No.1 BRIGHT until you get the optimum brightness.
SUB CONTRAST Adjustment			No.2 PICTURE	 Receive a broadcast. Select No.2 PICTURE of the PICTURE MODE. Set the initial setting value of the No.2 PICTURE with the LEFT / RIGHT key of the MENU. If the contrast is not best with the initial setting value, make fine adjustment of the No.2 PICTURE until you get the optimum contrast.
SUB COLOR Adjustment			No.6 COLOR	 Receive a broadcast. Select No.6 COLOR of the PICTURE MODE. Set the initial setting value of the No.6 COLOR with the LEFT / RIGHT key of the MENU. If the color is not best with the initial setting value, make fine adjustment of the No.6 COLOR until you get the optimum color.
SUB TINT Adjustment			No.5 TINT	 Receive a broadcast. Select No.5 TINT of the PICTURE MODE. Set the initial setting value of the No.5 TINT with the LEFT / RIGHT key of the MENU. If the tint is not best with the initial setting value, make fine adjustment of the No.5 TINT until you get the optimum tint.

ADJUSTMENT OF MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL check			No.1 IN LEVEL	Select the "No.1 IN LEVEL" of the SOUND MODE. Verify that the "No.1 IN LEVEL" is set at its initial setting value.
MTS STEREO VCO adjustment	Signal generator Frequency counter	[MPX] Connector [2] pin RTV	No.2 FH MON. No.3 ST VCO	 Receive a RF signal (nonmodulated sound signal) from the antenna terminal. Select the "No.2 FH MON." of SOUND MODE, and change the setting value from 0 to 1. Connect the Frequency Counter to pin [2] of [MPX] connector. Select the "No.3 ST VCO". Set the initial setting value of the "No.3 ST VCO" with the LEFT/RIGHT key of the menu. Adjust the "No.3 ST VCO" so that the Frequency Counter will display 15.73kHz±0.1kHz. Select the "No.2 FH MON." of the SOUND MODE, and reset the setting value from 1 to 0.

Item	Measuring instrument	Test point	Adjustment part	Description
MTS SAP	Signal	[MPX]	No.8 5FH MON.	1. Receive a RF signal (non modulated sound signal) from the
vco	generator	Connector		antenna terminal.
adjustment	Frequency counter	[4] pin SDA [3] pin GND [2] pin RTV	No.9 SAP VCO	 Connect between pin [4] of [MPX] connector and GND (Pin [3] of [MPX] connector) through 1M Ω Resistor. Select the "No.8 5FH MON." of the SOUND MODE, and reset the setting value from 0 to 1. Connect the Frequency Counter to pin [2] (R.OUT) of [MPX] connector. Select the "No.9 SAP VCO". Set the initial setting value of "No.9 SAP VCO" with the LEFT/RIGHT key of the menu. Adjust the "No.9 SAP VCO" so that the Frequency Counter will display 78.67kHz±0.5kHz. Select the "No.8 5FH MON." of the SOUND MODE, and reset the setting value from 1 to 0.
MTS FILTER check			No.5 FILTER	Select the "No.5 FILTER" of the SOUND MODE. Verify that the "No.5 FILTER" is set at its initial setting value.
MTS SEPARATION	TV audio multiplex	[MPX] Connector	No.6 LOW SEP.	Input a stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal.
adjustment	signal generator Oscilloscope	[1] pin LTV [2] pin RTV	No.7 HI SEP.	 Connect an oscilloscope to pin [1] (L OUT) of [MPX] connector, and display one cycle portion of the 300Hz signal. Change the connection of the oscilloscope to pin [2] (R OUT) of [MPX] connector, and enlarge the voltage axis. Select the "No.6 LOW SEP." of the SOUND MODE. Set the initial setting value of the "No.6 LOW SEP." with the
L-Char signal v 1 cycle	nnel waveform	R-Cha crosst	alk portion	LEFT/RIGHT key of the menu. 6. Adjust the "No.6 LOW SEP." so that the stroke element of the 300Hz signal will become minimum. 7. Change the signal to 3kHz, and similarly adjust the "No.7 HI SEP.".

HOW TO CHECK THE HIGH VOLTAGE HOLD DOWN CIRCUIT

1. HIGH VOLTAGE HOLD DOWN CIRCUIT

After repairing the high voltage hold down circuit shown in Fig. 1. This circuit shall be checked to operate correctly.

2. CHECKING OF THE HIGH VOLTAGE HOLD DOWN CIRCUIT

- (1) Turn the POWER SW ON.
- (2) As shown in Fig. 1, set the resistor (between X connector 1 & 3).
- (3) Make sure that the screen picture disappears.
- (4) Temporarily unplug the power cord.
- (5) Remove the resistor (between X connector 1 & 3).
- (6) Again plug the power cord, make sure that the normal picture is displayed on the screen.

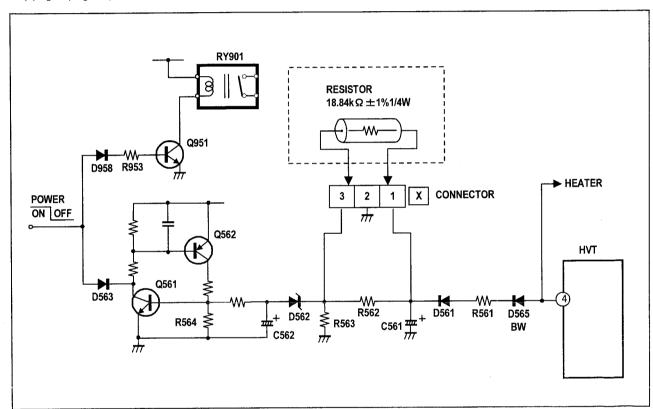


Fig. 1

SELF CHECK FUNCTIONS

1. Outline

This model has self check functions given below. When a malfunction has been detected, the POWER is turned off and the LED flashes to inform of the failure. The malfunction is detected by the signal input state of the control line connected to the microcomputer.

2. Self check items

Check item	Details of detection	Method of detection	State of malfunction
CRT NECK protector Also detected if the power supply line output from the HVT (High voltage Transformer) has shorted with the ground.	When the vertical circuit S-correction capacitor C427 is shorted, detect the potential drop of the C427, and prevent the burn damage to the CRT NECK. (Grounding of shorting of the power supply output from the HVT to the vertical circuit, and the small signal power supply is also detected.)	The microcomputer detects at 1 second intervals. If NG is detected for more than 1 ms, a malfunction is interpreted.	When a malfunction has been detected, the POWER is turned off. While the POWER is being turned off, the power key of the remote controller is not operational until the power code is taken out and put in again.

3. Self check indicating function

The self-check function begins detection about 5 seconds after power is supplied.

In the event a malfunction is detected, the power is cut off immediately.

At this time, the ON-TIMER LED flashes to inform of the malfunction.

ashes to inform of the Start of detection POWER OFF Flashing ON-TIMER LED

After about 5 seconds

Malfunction is detected

POWER Supplied

[ON-TIMER LED indication]

The ON-TIMER LED flashes at 0.5 seconds intervals.

REPLACEMENT OF CHIP COMPONENT

■ CAUTIONS

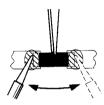
- 1. Avoid heating for more than 3 seconds.
- 2. Do not rub the electrodes and the resist parts of the pattern.
- 3. When removing a chip part, melt the solder adequately.
- 4. Do not reuse a chip part after removing it.

■ SOLDERING IRON

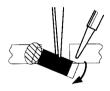
- 1. Use a high insulation soldering iron with a thin pointed end of it.
- 2. A 30w soldering iron is recommended for easily removing parts.

■ REPLACEMENT STEPS

- 1. How to remove Chip parts
 - Resistors, capacitors, etc.
 - (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



(2) Shift with tweezers and remove the chip part.



- ♦ Transistors, diodes, variable resistors, etc.
- (1) Apply extra solder to each lead.



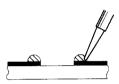
(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



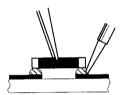
Note: After removing the part, remove remaining solder from the pattern.

2. How to install Chip parts

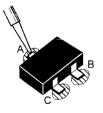
- · Resistors, capacitors, etc.
- (1) Apply solder to the pattern as indicated in the figure.



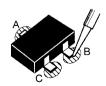
(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.



- ◆ Transistors, diodes, variable resistors, etc.
- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead A as indicated in the figure.



(4) Then solder leads B and C.



AV-27020(US&CA) / AV-27015(US&CA) STANDARD CIRCUIT DIAGRAM

NOTE ON USING CIRCUIT DIAGRAMS

1. SAFETY

The components identified by the A symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal

: Color bar signal

(2)Setting positions each knob/button and

variable resistor

:Original setting position

when shipped

(3)Internal resistance of tester

:DC 20k Ω/V

۰۷

(4)Oscilloscope sweeping time

·H ⇒ 20µS/div

⇒ 5mS/div

:Others => Sweeping time is

specified

(5)Voltage values

:All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

●In the PW board

:R1209-R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

Resistance value

No unit

 $[\Omega]$:

Κ

М

:[KΩ] :[MΩ]:

Rated allowable power

No indication Others

:1/10[W] :As specified

Type

No indication

:Carbon resistor

OMR

:Oxide metal film resistor

MFR Metal film resistor MPR

UNER

:Metal plate resistor

:Uninflammable resistor

FR

:Fusible resistor

*Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

Capacitance value

1 or higher

:[pF]

less than 1

:[µF]

Withstand voltage

No indication

:DC50[V]

AC indicated

:AC withstand voltage [V]

Others

:DC withstand voltage [V]

*Electrolytic Capacitors

47/50[Example]:Capacitance value [µF]/withstand voltage[V]

●Type No indication :Ceramic canacitor MY :Mylar capacitor

ММ Metalized mylar capacitor :Polypropylene capacitor

MPP :Metalized polypropylene capacitor

ME :Metalized film capacitor TE :Thin film capacitor

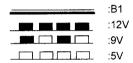
BP :Bipolar electrolytic capacitor TAN :Tantalum capacitor

(3)Coils

:[µH] No unit

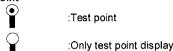
As specified Others

(4) Power Supply

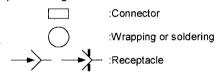


*Respective voltage values are indicated

(5)Test point



(6)Connecting method



(7)Ground symbol

丄 :LIVE side ground

٠, :ISOLATED(NEUTRAL) side ground

:EARTH ground :DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (±) side GND and the ISOLATED(NEUTRAL): (,) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out

(2)Do not short between the LIVE side GND ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be brok en.

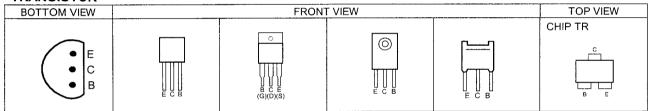
♦ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

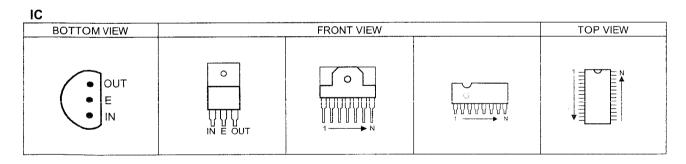
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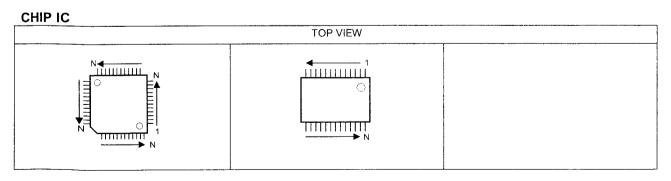
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MAIN PWB CIRCUIT DIAGRAM [AV-27015] · · · · · · · · · · · · · · · · · · ·
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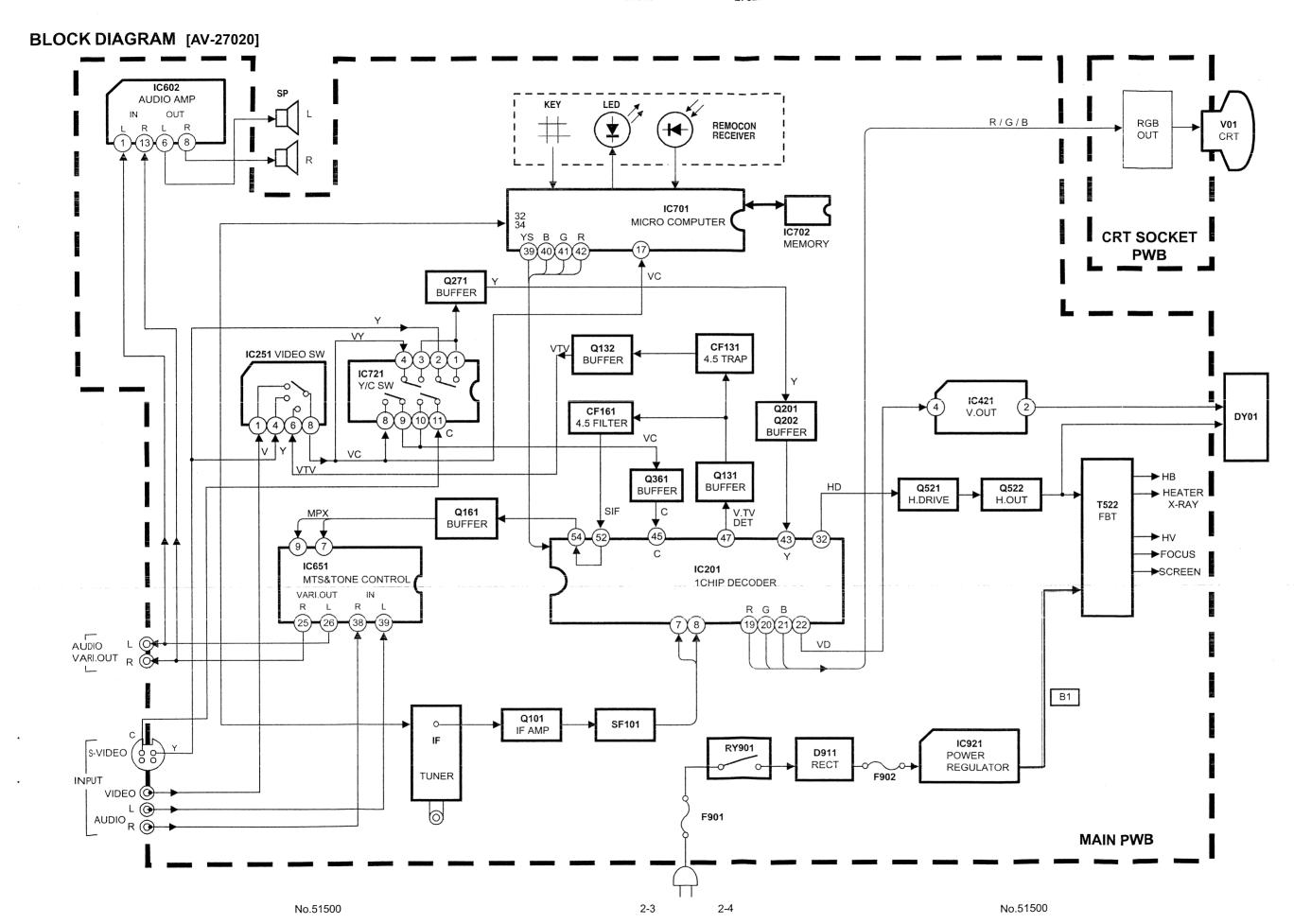
SEMICONDUCTOR SHAPES

TRANSISTOR





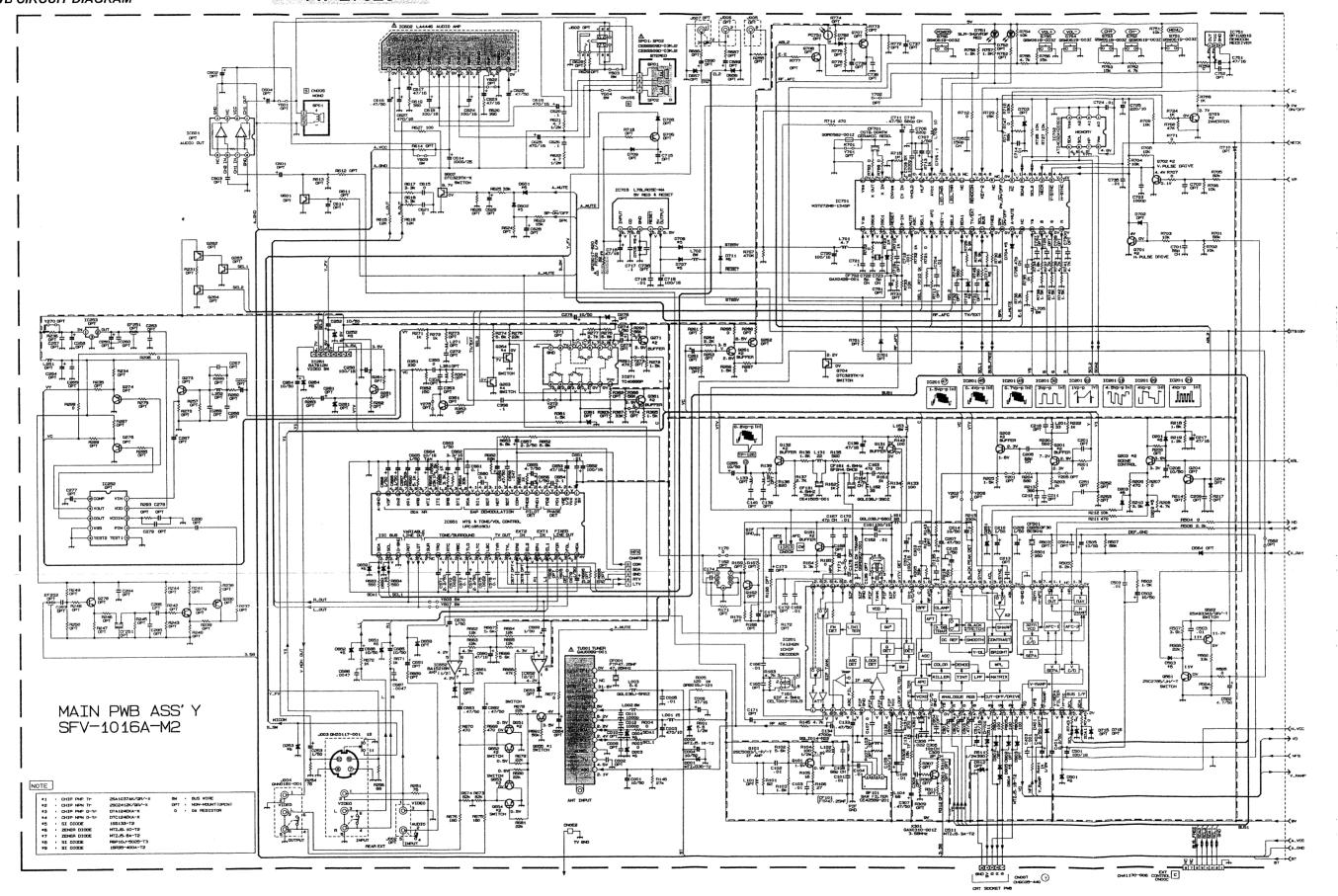


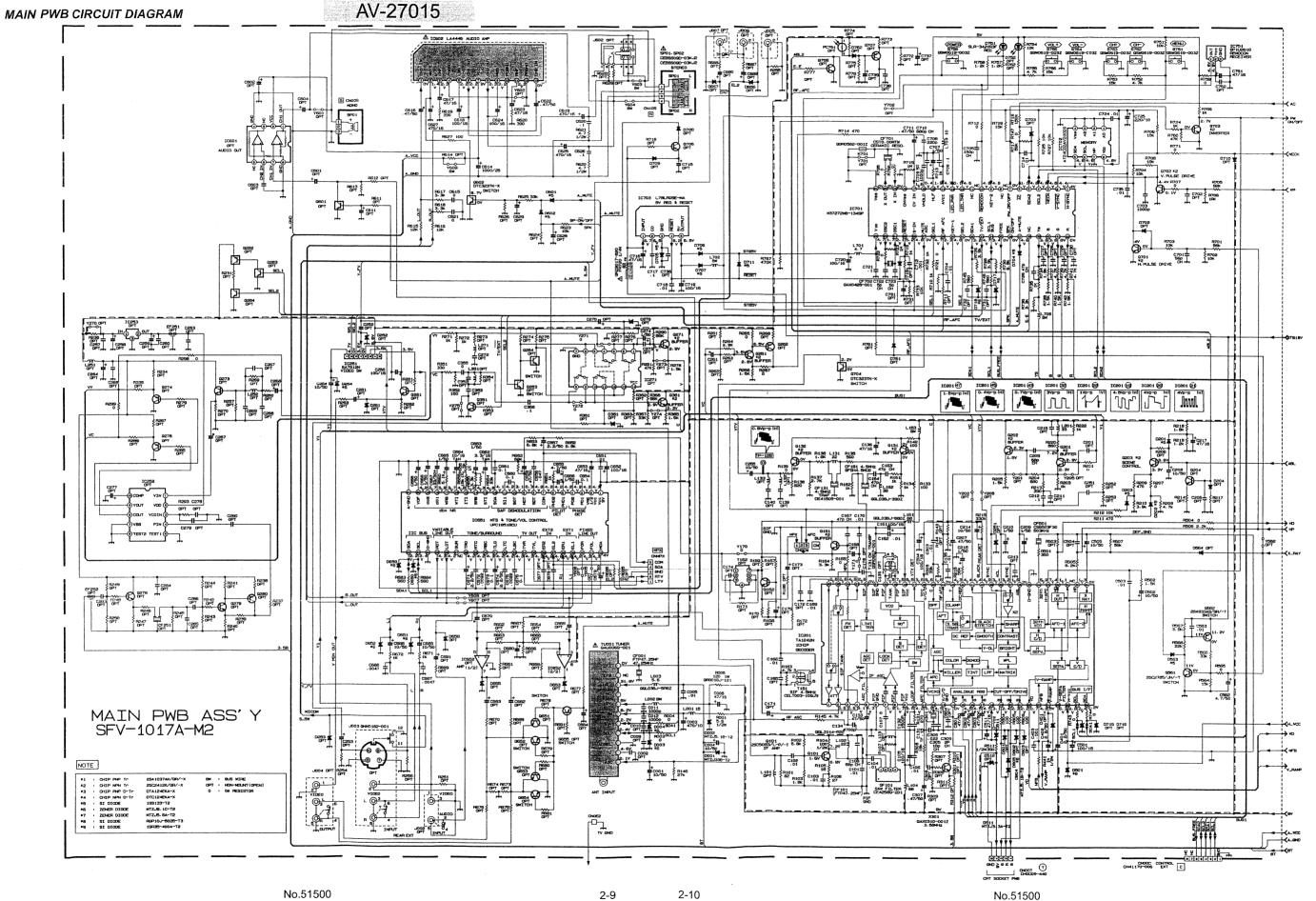


AV-27015

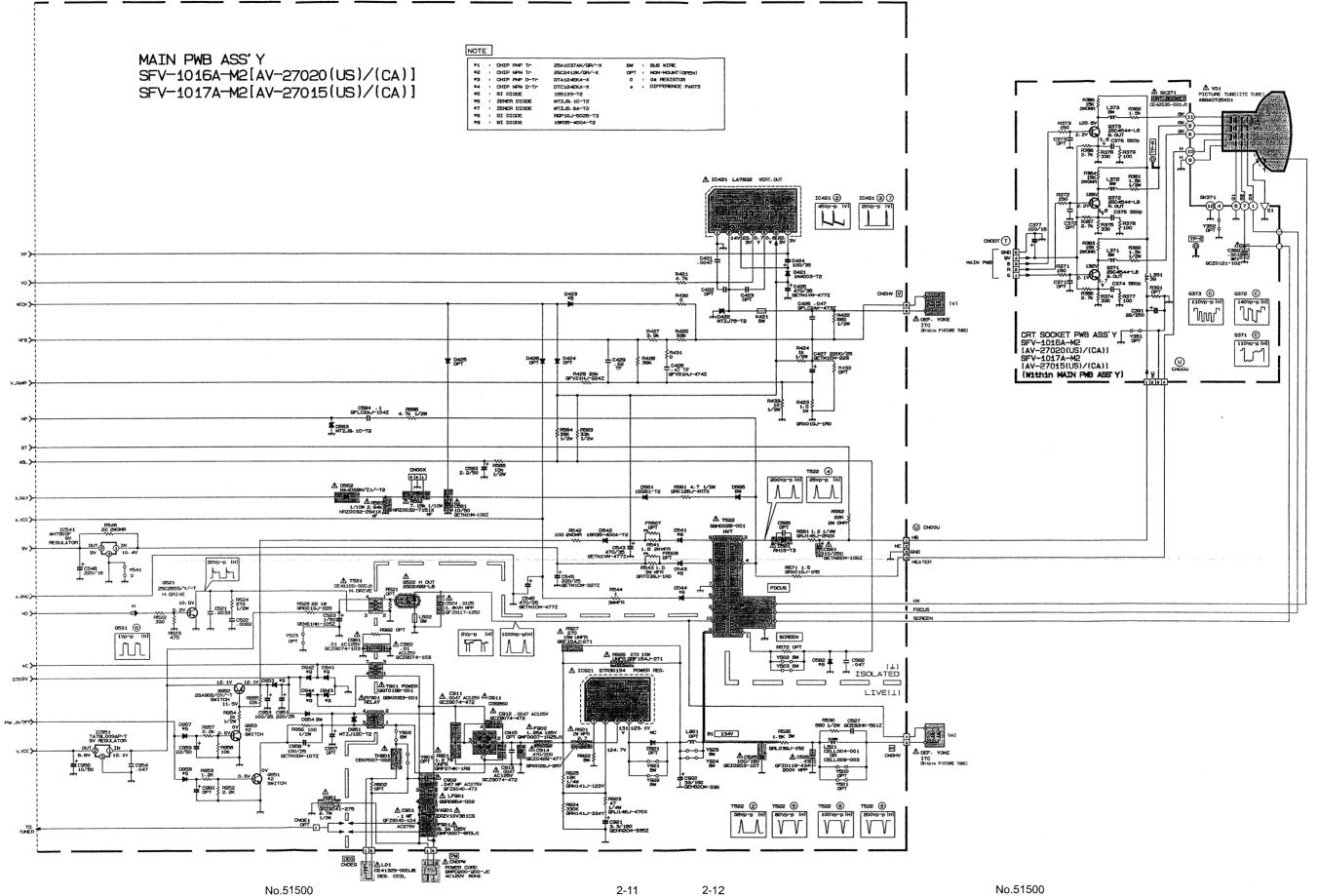
CIRCUIT DIAGRAMS MAIN PWB CIRCUIT DIAGRAM

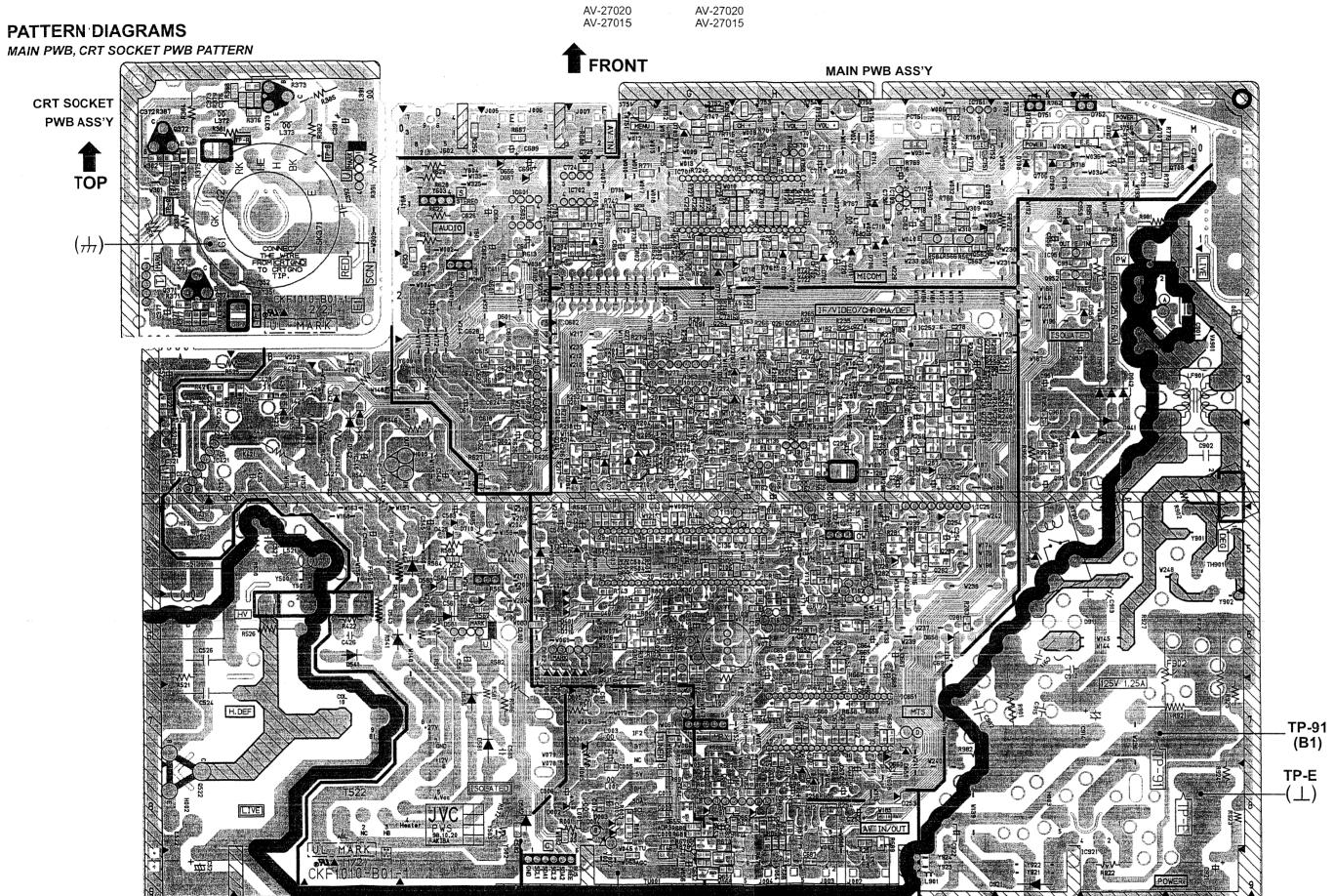
AV-27020





AV-27020 / AV-27015





No.51500

(++)

■CHANNEL CHART (US)

■CH/	NNF	L CH		T	
MC		BAND		NEL	TUNER
TV	CATV	DAND	REAL	DISP	BAND
		VL	0 0 0 0	3 4 5	I
0	0	VH	1 1 1		П
			A B	14 15	I
		MID	C D E F G H -	16 17 18 19 20 21	
	2 7 7	SUPER		23 24 25 26 27 28 29 30 31 32 33 34 35 36	п
×	0		W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11	37 38 39 40 41 42 43 44 45 46 47	
		HYPER	W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+25 W+26 W+27 W+28	48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	IV
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70	

MO	DE		CHAI	TUNER	
TV	CATV	BAND	REAL DISP.		BAND
×	0	ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+44 W+45 W+46 W+47 W+50 W+51 W+52 W+53 W+56 W+57 W+58 W+55 W+56 W+57 W+58 W+57 W+62 W+63 W+64 W+65 W+67 W+68 W+67 W+68 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+76 W+77 W+78 W+77 W+78 W+77 W+78 W+77 W+78 W+77 W+78 W+79 W+80 W+81 W+82 W+83 W+84 A-8	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 01	IV
		SUB MID	A-4 A-3 A-2 A-1	96 97 98 99	I
0	×	UHF	6	4 9	IV
TOTAL 180CH { VHF 124CH { UHF 56CH					
NOTE: TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES. SPECIAL ADAPTERS MAY BE REQUIRED.					

No.51500 2-15

■CHANNEL CHART (CA)

		L CH	ART			
	DE	BAND		NNEL	TUNER	
TV	CATV	DAIL	REAL	·	BAND	
	_	VL	0 0	12 13 14 15 16	I	
0	0	VH	07 08 09 10 11 12			
		MID	A B C D E F G H -	14 15 16 17 18 19 20 21 22	п	
			J K L M N O	23 24 25 26 27 28		
		SUPER	₽ Q R % F ⊃ > }	29 30 31 32 33 34 35 36		
×	0	HYPER	W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11 W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28	37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 60 61 62 63 64	Ш	
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70	IV	

MO	DE	BAND	CHANNEL		TUNER	
TV	CATV	BAND	REAL	DISP.	BAND	
			W+35	71		
			W+36	72		
			W+37 W+38	73 74		
			W+39	75		
			W+40	76		
			W+41	77		
			W+42	78		
			W+43 W+44	79 80		
			W+45	81		
			W+46	82		
			W+47	83		
			W+48	84		
			W+49 W+50	85 86		
			W+50	87		
			W+52	88		
			W+53	89		
			W+54	90		
			W+55 W+56	91 92		
			W+57	92 93		
			W+58	94		
			W+59	100		
		ULTRA	W+60	101	IV	
×	\circ		W+61 W+62	102 103		
^	0		W+63	103		
			W+64	105		
			W+65	106		
			W+66	107		
			W+67 W+68	108 109		
			W+69	110		
			W+70	111		
			W+71	112		
			W+72 W+73	113 114		
			W+74	115		
			W+75	116		
			W+76	117		
			W+77 W+78	118 119		
			W+79	120		
			W+80	121		
			W+81	122		
			W+82 W+83	123 124		
			W+84	124		
			A-8	01	I	
		SUB	A-4	96		
		MID	A-3 A-2	97 98	п	
į			A-1	99	ш	
0	×	UHF	1, S		IV	
		ΤΩΤΔΙ	69 180CH			
	{ VHF 124CH { UHF 56CH					
PRE CAE	RECEIN MIUM P BLE COM	ROGRAM PANIES.	SUBSC IMING FF	ROM CEF	RTAIN	
TO PRE CAE	RECEIN MIUM P BLE COM	ROGRAM PANIES.		ROM CEF	RTAIN	

PARTS LIST

CAUTION

- The parts identified by the 🛆 symbol are important for the safety. Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines —— in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

	RESISTORS	CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	м САР.	Mylar Capacitor
VR	Variable Resistor	HV CAP.	High Voltage Capacitor
HV R	High Voltage Resistor	MF CAP.	Metalized Film Capacitor
MF R	Metal Film Resistor	MM CAP.	Metalized Mylar Capacitor
MG R	Metal Glazed Resistor	MP CAP.	Metalized Polystyrol Capacitor
MP R	Metal Plate Resistor	PP CAP.	Polypropylene Capacitor
OM R	Metal Oxide Film Resistor	PS CAP.	Polystyrol Capacitor
CMF R	Coating Metal Film Resistor	TF CAP.	Thin Film Capacitor
UNF R	Non-Flammable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH V R	Chip Variable Resistor	TAN. CAP.	Tantalum Capacitor
CH MG R	Chip Metal Glazed Resistor	CH C CAP.	Chip Ceramic Capacitor
COMP. R	Composition Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

TOLERANCES									
F	G	J	К	М	N	R	Н	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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USING P.W. BOARD & REMOTE CONTROL UNIT

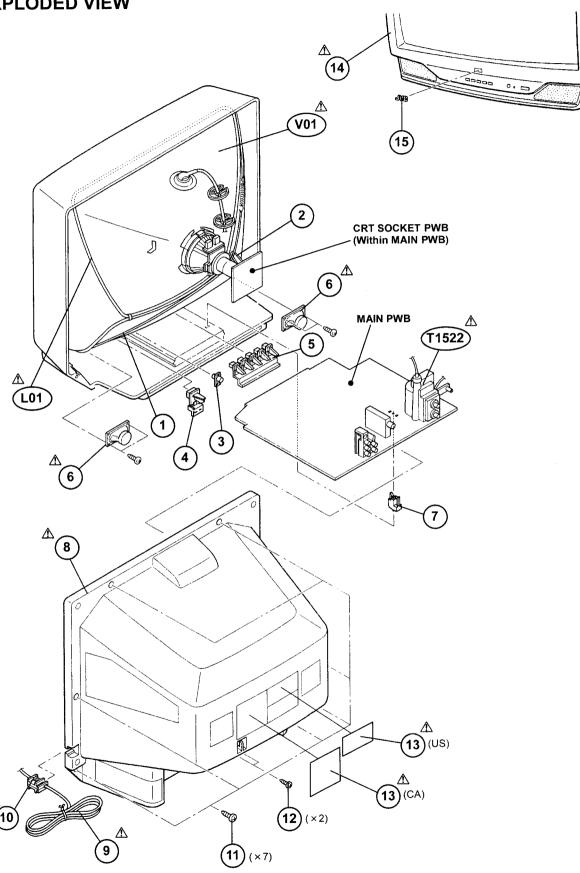
Model P.W.B ASS'Y	AV-27020(US&CA)	AV-27015(US&CA)
MAIN P.W.B	SFV-1016A-M2	SFV-1017A-M2
REMOTE CONTROL UNIT	RM-C345-1A	RM-C241-1H

AV-27020(US&CA)

EXPLODED VIEW PARTS LIST

Local	Description	Part Name	Part No.	Ref. No.	Δ
*	Inc.DY	ITC TUBE(C)	A68ADT25X01	V01	
*		DEG COIL	CE41329-00DJB	L01	
*		H.V.TRANSF.	QQH0028-001	T1522	Δ
*		BRAIDED WIRE	CHGB0015-0B	1	
*		BRAIDED WIRE	CHGB0016-0C	2	
*		REMOCON LENS	LC30191-001C-A	3	
*		POWER KNOB	LC30376-001A-A	4	
*		PUSH KNOB	LC30271-001A-A	5	
*	(×2)SP01,SP02	SPEAKER	CEBSS09D-03KJ2	6	⚠
*	, , , , , , , , , , , , , , , , , , , ,	PB STOPPER	CM48144-001-A	7	
*		REAR COVER	LC10082-001D-A	8	4
*	CN10PW Within MAIN PWB	POWER CORD	QMPD200-200-JC	9	$\overline{\Delta}$
*		POWER CORD CLAMP	LC20106-001B-A	10	Δ
*	(×7)	TAPPING SCREW	GBSF4016Z	11	
*	(×2)	TAPPING SCREW	SBSB3010Z	12	
*	(AV-27020(US))	RATING LABEL	CM23034-001-A	13	Δ
*	(AV-27020(CA))	RATING LABEL	CM22999-A01-A	13	Δ
*	(2,020(3//)	FRONT CABINET	LC10081-001E-A	14	⚠
*		JVC MARK	CM48006-A03-H	15	

EXPLODED VIEW



No. 51500 27

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SFV-1016A-M2) [AV-27020(US&CA)]

⚠ Symbol No.	Part No.	Part Name	Description Local	△ Symbol No.	Part No.	Part Name	Description	Local
RESI	STOR			RESI	STOR			
R1001 R1003-04 R1005 R1101 R1102 R1103 R1104 R1105	QRE121J-SR6Y MRSA02J-OROX QRG01GJ-121 MRSA02J-820X MRSA02J-562X MRSA02J-182X QRE121J-101Y MRSA02J-180X	C R MG R OM R MG R MG R MG R C R	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	R1374-76 R1377-79 R1380-82 R1383-85 R1386-88 R1421 R1422 R1423	NRSA02J-331X NRSA02J-101X QR20111-152 QRL029J-153 NRSA02J-272X NRSA02J-472X QRE121J-561Y QRX01GJ-1R0	MG R MG R C R OM R MG R MG R C R MF R	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	*
R1106 R1131 R1133 R1134 R1135 R1136 R1137 R1138	NRSAO2J-270X NRSAO2J-271X NRSAO2J-101X NRSAO2J-102X NRSAO2J-561X NRSAO2J-182X NRSAO2J-272X NRSAO2J-821X	MG R MG R MG R MG R MG R MG R MG R	27Ω 1/10W J * 270Ω 1/10W J * 100Ω 1/10W J * 1kΩ 1/10W J * 560Ω 1/10W J * 1.8kΩ 1/10W J * 2.7kΩ 1/10W J *	R1425 R1427 R1428 R1429 R1430-31 R1433 R1441 R1501	NRSAO2J-683X NRSAO2J-392X NRSAO2J-393X NRSAO2J-223X NRSAO2J-0ROX QRE121J-100Y QRE121J-102Y NRSAO2J-361X	MG R MG R MG R MG R C R C R C R	68kΩ 1/10W J 3.9kΩ 1/10W J 39kΩ 1/10W J 22kΩ 1/10W J 0.0Ω 1/10W J 10Ω 1/2W J 1kΩ 1/2W J 360Ω 1/10W J	* * * * * * * *
R1139 R1142 R1145 R1146 R1161-62 R1163 R1164 R1165	NRSAO2J-OROX NRSAO2J-101X NRSAO2J-472X NRSAO2J-273X NRSAO2J-102X NRSAO2J-472X NRSAO2J-332X NRSAO2J-OROX	MG R MG R MG R MG R MG R MG R MG R	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	R1502 R1504 R1505 R1506 R1507 R1511 R1522 R1523	NRSA02J-152X NRSA02J-0R0X NRSA02J-822X NRSA02J-222X NRSA02J-563X QRE121J-391Y NRSA02J-391X NRSA02J-471X	MG R MG R MG R MG R C R C R MG R	1.5kΩ 1/10w J 0.0Ω 1/10w J 8.2kΩ 1/10w J 2.2kΩ 1/10w J 56kΩ 1/10w J 390Ω 1/2w J 390Ω 1/10w J 470Ω 1/10w J	* * * * * * * *
R1201 R1203 R1204 R1205 R1207 R1208 R1209 R1210	NRSAO2J-OROX NRSAO2J-102X NRSAO2J-681X NRSAO2J-152X NRSAO2J-OROX NRSAO2J-472X NRSAO2J-471X NRSAO2J-392X	MG R MG R MG R MG R MG R MG R MG R	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	R1524 R1525 R1526 R1530 R1541 R1542 R1543-44 R1546	QRE121J-271Y QRG01GJ-220 QRL039J-152 QRE121J-681Y QRT029J-1R8 QRL029J-101 QRT039J-1R0 QRL029J-220	C R OM R OM R C R MF R OM R MF R	270Ω 1/2W J 22Ω 1W j 1.5kΩ 3W J 680Ω 1/2W J 1.8Ω 2W J 100Ω 2W J 1.0Ω 3W J 22Ω 2W J	* * * * * * * *
R1211 R1212 R1213 R1215 R1216 R1218 R1219 R1220	NRSA02J-471X NRSA02J-103X NRSA02J-391X NRSA02J-334X NRSA02J-563X NRSA02J-182X NRSA02J-122X NRSA02J-561X	MG R	470Ω 1/10W J * 10kΩ 1/10W J * 390Ω 1/10W J * 330kΩ 1/10W J * 56kΩ 1/10W J * 1.8kΩ 1/10W J * 1.2kΩ 1/10W J * 560Ω 1/10W J *	R1561 A R1562 A R1563 R1564 R1565 R1566 R1567 R1568	QRK126J-4R7X NRZ0032-7151X NRZ0032-2941X NRSA02J-153X NRSA02J-0R0X NRSA02J-333X NRSA02J-392X NRSA02J-223X	C R MF R MF R MG R MG R MG R MG R MG R	4.7Ω 1/2W J 7.15κΩ 1/10W J 2.94κΩ 1/10W J 15κΩ 1/10W J 0.0Ω 1/10W J 33κΩ 1/10W J 3.9kΩ 1/10W J 22kΩ 1/10W J	* * * * * *
R1222 R1251 R1254 R1256 R1264 R1265 R1266 R1267	NRSA02J-102X NRSA02J-750X NRSA02J-750X NRSA02J-680X NRSA02J-222X NRSA02J-0R0X NRSA02J-152X NRSA02J-0R0X	MG R MG R MG R MG R MG R MG R MG R	1kΩ 1/10W J * 75Ω 1/10W J * 75Ω 1/10W J * 68Ω 1/10W J * 2.2kΩ 1/10W J * 0.0Ω 1/10W J * 1.5kΩ 1/10W J * 0.0Ω 1/10W J *	R1571 R1581 R1582 R1583 R1584 R1585 R1586 R1615-16	QRX01GJ-1R5 QR114GJ-2R2X QRL029J-223 QRE121J-333Y QRE121J-393Y QRE121J-103Y QRE121J-472Y NRSA02J-123X	MF R C R OM R C R C R C R G R MG R	1.5Ω 1W J 2.2Ω 1/4W J 22kΩ 2W J 33kΩ 1/2W J 39kΩ 1/2W J 10kΩ 1/2W J 4.7kΩ 1/2W J 12kΩ 1/10W J	* * * * * * *
R1271-72 R1274 R1275 R1276 R1277 R1278 R1290 R1291	NRSA02J-102X NRSA02J-562X NRSA02J-562X NRSA02J-562X NRSA02J-772X NRSA02J-152X NRSA02J-663X NRSA02J-473X	MG R MG R MG R MG R MG R MG R MG R	1κΩ 1/10W J * 5.6kΩ 1/10W J * 22kΩ 1/10W J * 5.6kΩ 1/10W J * 2.7kΩ 1/10W J * 1.5kΩ 1/10W J * 56kΩ 1/10W J * 47kΩ 1/10W J *	R1617-18 R1619-20 R1621-22 R1623 R1625 R1627 R1651 R1652-53	NRSA02J-332X NRSA02J-391X QRE121J-4R7Y NRSA02J-153X NRSA02J-333X NRSA02J-101X NRSA02J-102X NRSA02J-682X	MG R MG R C R MG R MG R MG R MG R	3.3kΩ 1/10w J 390Ω 1/10w J 4.7Ω 1/2w J 15kΩ 1/10w J 100Ω 1/10w J 1kΩ 1/10w J 1kΩ 1/10w J 6.8kΩ 1/10w J	* * * * * * * *
R1298-99 R1305 R1306 R1351 R1352 R1361 R1365 R1366	NRSAO2J-OROX NRSAO2J-393X NRSAO2J-3133X NRSAO2J-331X NRSAO2J-151X NRSAO2J-152X NRSAO2J-152X NRSAO2J-563X	MG R MG R MG R MG R MG R MG R MG R	0.0Ω 1/10W J * 39kΩ 1/10W J * 18kΩ 1/10W J * 330Ω 1/10W J * 150Ω 1/10W J * 1.5kΩ 1/10W J * 1.5kΩ 1/10W J * 56kΩ 1/10W J *	R1654 R1655 R1656 R1658 R1660 R1661 R1662-65 R1666-67	NRSAO2J-333X NRSAO2J-332X NRVAO2D-152X NRVAO2D-153X NRSAO2J-512X NRSAO2J-473X NRSAO2J-123X NRSAO2J-562X	MG R MG R MF R MF R MG R MG R MG R	33kΩ 1/10W J 3.3kΩ 1/10W J 1.5kΩ 1/10W D 15kΩ 1/10W D 5.1kΩ 1/10W J 47kΩ 1/10W J 12kΩ 1/10W J 5.6kΩ 1/10W J	* * * * * * * * *
R1367 R1371-73	NRSAO2J-333X NRSAO2J-151X	MG R MG R	33kΩ 1/10W J * 150Ω 1/10W J *	R1668 R1669-70	NRSAO2J-473X NRSAO2J-471X	MG R MG R	47kΩ 1/10W J 470Ω 1/10W J	*

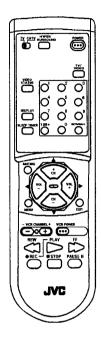
Symbol No.	Part No.	Part Name	Description Local	⚠ Symbol No.	Part No.	Part Name	Description Local
RESI	STOR			RES	ISTOR		
R1671-72 R1673-74 R1675-76 R1677 R1678-81 R1682 R1683-84 R1691	NRSA02J-102X NRSA02J-823X NRSA02J-181X NRSA02J-0R0X NRSA02J-223X NRSA02J-683X NRSA02J-561X NRSA02J-563X	MG R MG R MG R MG R MG R MG R MG R MG R	1kΩ 1/10W J * 8kΩ 1/10W J * 180Ω 1/10W J * 0.0Ω 1/10W J * 2kΩ 1/10W J * 68kΩ 1/10W J * 560Ω 1/10W J *	R1954 R1955 R1956 R1957 R1958 & R1981	QRE121J-102Y MRSA02J-223X QRE121J-101Y MRSA02J-222X NRSA02J-103X QRZ9041-275	C R MG R C R MG R MG R C R	1kΩ 1/2W J * 22kΩ 1/10W J * 100Ω 1/2W J * 2.2kΩ 1/10W J * 10kΩ 1/10W J * 2.7MΩ 1/2W K *
R1701	NRSA02J-563X	MG R	56kΩ 1/10W J *	CAP	ACITOR		
R1702-04 R1705 R1706 R1707 R1708-09 R1710 R1712	NRSA02J-103X NRSA02J-823X NRSA02J-103X NRSA02J-0R0X NRSA02J-103X NRSA02J-102X NRSA02J-0R0X	MG R MG R MG R MG R MG R MG R MG R	10kΩ 1/10W J * 82kΩ 1/10W J * 10kΩ 1/10W J * 0.0Ω 1/10W J * 10kΩ 1/10W J * 1kΩ 1/10W J * 0.0Ω 1/10W J *	C1001 C1003 C1004 C1005 C1006 C1011-12 C1101-04	QETN1HM-106Z QETN1AM-477Z QETN1HM-106Z NCB21HK-103X QETN1CM-476Z NCB21HK-103X QETN1CM-103X	E CAP. E CAP. C CAP. C CAP. C CAP. C CAP. C CAP. C CAP. E CAP.	10µF 50V M * 470µF 10V M * 10µF 50V M * 0.01µF 50V K * 47µF 16V M * 1000pF 50V K * 0.01µF 50V K *
R1713 R1714 R1715 R1716 R1717 R1719 R1721-22 R1723	NRSA02J-102X NRSA02J-471X NRSA02J-105X NRSA02J-154X NRSA02J-563X NRSA02J-102X NRSA02J-000X NRSA02J-105X	MG R MG R MG R MG R MG R MG R MG R	1κΩ 1/10W J * 470Ω 1/10W J * 1ΜΩ 1/10W J * 150κΩ 1/10W J * 16κΩ 1/10W J * 1κΩ 1/10W J * 1κΩ 1/10W J * 1μΩ 1/10W J *	C1105 C1106 C1107 C1108 C1131 C1132 C1133 C1134 C1135	QETNICM-107Z NCB21HK-103X NRSA02J-0R0X NDC21HJ-680X QFV71HJ-154Z NCB21HK-152X QETN1HM-474Z NCB21HK-472X NCB21HK-473X	C CAP. MG R C CAP. MF CAP. C CAP. C CAP. E CAP. C CAP. C CAP.	0.01µF 50V K * 0.00 1/10W J * 688F 50V J * 0.15µF 50V J * 1500pF 50V K * 0.47µF 50V M * 4700pF 50V K * 0.01µF 50V K *
R1724 R1725 R1726 R1727 R1728 R1729 R1730 R1732	NRSA02J-102X NRSA02J-103X NRSA02J-392X NRSA02J-103X NRSA02J-392X NRSA02J-153X NRSA02J-682X NRSA02J-102X	MG R	1kΩ 1/10W J * 10kΩ 1/10W J * 3.9kΩ 1/10W J * 10kΩ 1/10W J * 3.9kΩ 1/10W J * 15kΩ 1/10W J * 6.8kΩ 1/10W J * 1kΩ 1/10W J *	C1138 C1161 C1162 C1163-64 C1166 C1167 C1169-70 C1205	QETN1CM-476Z QETN1CM-107Z NCB21HK-103X NDC21HJ-470X NCB21HK-103X NDC21HJ-470X NCB21HK-103X NDC21HJ-680X	E CAP. E CAP. C CAP. C CAP. C CAP. C CAP. C CAP. C CAP.	47μF 16V M * 100μF 16V M * 0.01μF 50V K * 47pF 50V J * 0.01μF 50V K * 47pF 50V J * 0.01μF 50V K * 68pF 50V J *
R1733 R1734 R1735 R1736 R1737 R1738 R1739 R1740	NRSA02J-103X NRSA02J-102X NRSA02J-102X NRSA02J-332X NRSA02J-472X NRSA02J-152X NRSA02J-472X NRSA02J-152X	MG R	10κΩ 1/10W J * 1.8κΩ 1/10W J * 1κΩ 1/10W J * 3.3κΩ 1/10W J * 4.7κΩ 1/10W J * 1.5κΩ 1/10W J * 4.7κΩ 1/10W J * 4.7κΩ 1/10W J *	C1207 C1208 C1209-10 C1212 C1214 C1215 C1217 C1252	QETN1HM-474Z QETN1HM-106Z QETN1HM-105Z NCB21HK-104X QETN1HM-106Z QETN1HM-105Z QETN1CM-476Z QETN1HM-106Z	E CAP. E CAP. CHIP CAP. E CAP. E CAP. E CAP. E CAP. E CAP.	0.47µF 50V M = 10µF 50V M = 1 10µF 50V M = 1
R1741 R1742 R1743-44 R1745-46 R1747 R1751 R1752 R1753	NRSA02J-472X NRSA02J-152X NRSA02J-0R0X NRSA02J-561X NRSA02J-0R0X NRSA02J-103X NRSA02J-472X NRSA02J-153X	MG R MG R MG R MG R MG R MG R MG R	4.7kΩ 1/10W J * 1.5kΩ 1/10W J * 0.0Ω 1/10W J * 560Ω 1/10W J * 0.0Ω 1/10W J * 10kΩ 1/10W J * 4.7kΩ 1/10W J * 15kΩ 1/10W J *	C1254-55 C1256 C1274 C1276 C1303 C1304 C1305 C1306	QETN1HM-106Z QETN1CM-107Z QETN1HM-105Z QETN1HM-106Z NCB21HK-103Z QETN1CM-107Z NDC21HJ-100X NCB21HK-223X	E CAP. E CAP. E CAP. E CAP. C CAP. C CAP. C CAP. C CAP.	10µF 50V M 100µF 16V M 1µF 50V M 10µF 50V M 0.01µF 50V K 100µF 16V M 100µF 50V J 0.022µF 50V K
R1754 R1755 R1756 R1757 R1758 R1759 R1765-66 R1767	NRSA02J-103X NRSA02J-472X NRSA02J-153X NRSA02J-122X NRSA02J-122X NRSA02J-0R0X NRSA02J-0R0X NRSA02J-474X	MG R MG R MG R MG R MG R MG R MG R	10kΩ 1/10W J * 4.7kΩ 1/10W J * 15kΩ 1/10W J * 1.2kΩ 1/10W J * 0.0Ω 1/10W J * 0.0Ω 1/10W J * 470kΩ 1/10W J *	C1307 C1309 C1355 C1356 C1374-76 C1377 C1391	QETN1HM-474Z NDC21HJ-2R0X NRSA02J-0R0X NCB21HK-104X NCS21HJ-561X QETN1CM-107Z QETM2EM-226	E CAP. C CAP. MG R CHIP CAP. C CAP. E CAP. E CAP.	0.47µF 50V M 2.0pF 50V J 0.0Ω 1/10W J 0.1µF 50V K 560pF 50V J 100µF 16V M 22µF 150V M 1000pF 3 kV Z
R1768 R1769 R1771 R1804-06 R1901 R1921 R1923 R1924	NRSA02J-473X NRSA02J-102X NRSA02J-0R0X NRSA02J-101X QRF074K-1R2 QRX029J-2R7 QRJ146J-470X QRN141J-334Y	MG R MG R MG R MG R UNF R MF R C R C R	$47k\Omega$ $1/10W$ J * $1k\Omega$ $1/10W$ J * 0.0Ω $1/10W$ J * 100Ω $1/10W$ J * 100Ω $1/10W$ J * 1.2 Ω $7W$ K * 2.7 Ω $2W$ J * 47Ω $1/4W$ J * $330k\Omega$ $1/4W$ J *	↑ C1392 C1401 C1402 C1403 C1421 C1424 C1425 C1426	QCZ0121-102 QETN1HM-225Z QBHC1CK-225Z NCB21HK-102X NCB21HK-472X QETN1VM-107Z QETN1VM-477Z QFLC2AK-473Z	C CAP. E CAP. TAN.CAP. C CAP. C CAP. E CAP. E CAP. M CAP.	2.2µF 50V M 2.2µF 16V K 1000pF 50V K 4700pF 50V K 100µF 35V M 470µF 35V M 0.047µF 100V K
R1925 R1926 R1927 R1952 R1953	QRN141J-123Y QRF154J-271 QRF154J-271 NRSA02J-222X NRSA02J-122X	CR UNFR UNFR MGR MGR	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C1427 C1428 C1429 C1501	QETM1EM-228 QFV21HJ-474Z QFV21HJ-224Z QETN1CM-107Z	E CAP. MF CAP. MF CAP. E CAP.	2200μF 2 5V M 0.47μF 5 0V J 0.22μF 5 0V J 100μF 1 6V M

∆ Symbol No.	Part No.	Part Name	Description Local	∆ Symbol No.	Part No.	Part Name	Description Local
CAP	ACITOR			CAP	ACITOR		
C1502 C1503 C1505 C1511 C1521 C1522 C1523 Ճ C1524	QETN1HM-106Z NCB21HK-103X QETN1HM-106Z QETN1CM-476Z NCB21HK-332X NCB21HK-822X QEM61HK-105Z QFZ0117-1252	E CAP. C CAP. E CAP. C CAP. C CAP. C CAP. C CAP. HPP CAP.	10µF 50V M * 0.01µF 50V K * 10µF 50V M * 47µF 16V M * 3300pF 50V K * 8200pF 50V K * 1µF 50V K 12500pF1.4kVH±2.5%	C1707 C1708 C1709 C1710 C1711 C1712 C1714 C1716	QETN1HM-105Z NCS21HJ-221X NCS21HJ-102X NDC21HJ-681X QETN1HM-474Z NCB21HK-102X NCB21HK-103X QETN1CM-476Z	E CAP. C CAP.	1μF 50V M * 220pF 50V J * 1000pF 50V J * 680pF 50V J * 0.41μF 50V M * 1000pF 50V K * 0.01μF 50V K * 47μF 16V M *
△ C1525 △ C1526 C1527 C1543 C1545 C1546 C1548 △ C1561	QEZO203-107 QFZ0119-434 QCB32HK-561Z QETN1VM-477Z QETN1CM-227Z QETN1CM-477Z QETN1CM-227Z QETN1HM-106Z	E CAP. MPP CAP. C CAP. E CAP. E CAP. E CAP. E CAP. E CAP. E CAP.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C1717 C1718 C1719-20 C1721 C1722-23 C1724 C1725 C1726	NCB21HK-104X NCB21HK-103X QETN1CM-107Z NCB21HK-104X NDC21HJ-5R0X NCB21HK-103X QETN1AM-227Z NDC21HJ-470X	CHIP CAP. C CAP. E CAP. CHIP CAP. C CAP. C CAP. E CAP. E CAP. C CAP.	0.1µF 50V K * 0.01µF 50V K * 100µF 16V M * 0.1µF 50V K * 5.0pF 50V J * 0.01µF 50V K * 220µF 10V M * 47pF 50V J *
C1562 C1563 ▲ C1581 C1582 C1583 C1584 C1614 C1615	QETN1HM-475Z NCB21HK-103X QETN2EM-106Z NCB21HK-473X QETN1HM-225Z QFLC2AJ-104Z QETN1EM-108Z NRSA02J-0ROX	E CAP. C CAP. E CAP. C CAP. E CAP. M CAP. E CAP. M CAP. E CAP. MG R	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C1735 C1751 C1801-03 △ C1901 △ C1902 △ C1911 △ C1912 △ C1913	NCB21HK-103X QETN1CM-476Z QENC1HM-474Z QF79040-104 QF29040-473 QCZ9074-472 QCZ9074-472 QCZ9074-472	C CAP. E CAP. BP E CAP. MF CAP. MF CAP. C CAP. C CAP. C CAP.	0.01µF 50V K * 47µF 16V M * 0.47µF 50V M * 0.1µFAC275V M * 4700pFAC125V M * 4700pFAC125V M * 4700pFAC125V M *
C1616 C1617 C1618 C1619 C1620 C1621 C1622 C1623	QENC1HM-474Z QETM1CM-476Z QETM1CM-107Z QETM1CM-477Z NCB21HK-104X NRSA02J-0ROX QENC1HM-474Z QETM1CM-476Z	BP E CAP. E CAP. E CAP. E CAP. CHIP CAP. MG R BP E CAP. E CAP.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	△ C1914 C1921 C1922 C1951 C1953 C1954 C1956 C1958	QEZ0429-477 QEHRZCM-335Z QEHB2CM-336 QETN1EM-227Z QETN1EM-107Z NCB21HK-473X QETN1HM-106Z QETC1EM-107Z	E CAP. E CAP. E CAP. E CAP. C CAP. C CAP. C CAP. E CAP.	470μF 200V M * 3.3μF 160V M 33μF 160V M 220μF 25V M * 100μF 25V M * 10μF 50V K * 10μF 50V M *
C1624 C1625 C1626 C1627 C1651 C1652 C1653	QETN1CM-107Z QETN1CM-477Z NCB21HK-104X QETN1CM-477Z NCB21HK-103X QETN1CM-107Z QETN1CM-476Z	E CAP. E CAP. CHIP CAP. E CAP. C CAP. E CAP. E CAP.	100µF 16V M * 470µF 16V M * 0.1µF 50V K * 470µF 16V M * 0.01µF 50V K * 100µF 16V M * 47µF 16V M *	C1959 Δ C1981 Δ C1982	QETN1HM-226Z QCZ9074-103 QCZ9074-103	E CAP. C CAP. C CAP.	22μF 50V M * 0.01μFAC125V M * 0.01μFAC125V M *
C1654 C1655 C1656 C1657 C1658 C1659	NCB21HK-104X QENC1HM-4752 QENC1HM-1052 QETN1HM-2252 NCB21HK-473X QETN1HM-474Z	CHIP CAP. BP E CAP. BP E CAP. E CAP. C CAP. E CAP.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	T1131 T1161 △ T1521 △ T1522 △ T1901	QQR0907-001 CELT003-109J3 CE41106-00CJ1 QQH0028-001 QQT0198-001	I.F.TRANSFOMER S.I.F.TRANSF. DRIVE TRANSF. H.V.TRANSF. POWER TRANSF	* * * *
C1660-61 C1662 C1663 C1664 C1665-66 C1667 C1668 C1669-70 C1671 C1672	NCB21HK-104X QBTC1CK-335Z QETN1HM-105Z QBTC1CK-106Z QETN1HM-105Z QETN1HM-36Z QETN1HM-105Z QEK01HM-105Z QEK01HM-225Z NCB21HK-222X	CHIP CAP. TAN.CAP. E CAP. TAN.CAP. E CAP. E CAP. E CAP. E CAP. C CAP. C CAP.	0.1µF 50V K * 3.3µF 16V K 1µF 50V M * 10µF 16V K 1µF 50V M * 33µF 50V M * 1µF 50V M * 1µF 50V M * 2.2µF 50V M *	L1001 L1003 L1102 L1104 L1131 L1161 L1162 L1201	QQL03BJ-150Z QQL03BJ-5R6Z QQL03BJ-680Z QQL03BJ-680Z QQL03BJ-220Z QQL03BJ-680Z QQL03BJ-390Z QQL03BJ-390Z QQL03BJ-330Z	COIL COIL PEAKING COIL COIL COIL COIL COIL COIL	15µH J * 5.6µH J * 68µH J * 22µH J * 68µH J * 39µH J * 33µH J *
C1673 C1674 C1675 C1676 C1679	NCB21HK-104X QETN1HM-225Z NCB21HK-222X NCB21HK-104X QETN1HM-105Z	CHIP CAP. E CAP. C CAP. CHIP CAP. E CAP.	0.1\(\bar{L}\)F 50V K * 2.2\(\bar{L}\)F 50V M * 2.20\(\text{DF}\)F 50V K * 0.1\(\bar{L}\)F 50V K * 1\(\bar{L}\)F 50V M *	L1391 L1521 L1701 L1709	QQL03BJ-390Z CELL004-001 QQL03BJ-4R7Z QQL03BJ-100Z	COIL LINEARITY COIL COIL COIL	39µН Ј * * 4.7µН Ј * 10µН Ј *
C1680 C1682-83 C1685-86 C1687-88 C1701 C1703	QETN1CM-476Z QETN1HM-474Z QETN1HM-106Z NCB21HK-472X NDC21HJ-560X NCB21HK-102X	E CAP. E CAP. C CAP. C CAP.	47µF 16V M * 0.47µF 50V M * 10µF 50V M * 4700pF 50V K * 56pF 50V J * 1000pF 50V K *	D1001 D1002 D1003-04 D1201-03 D1252-54 D1421	MTZJ33B-T2 MTZJ5.1B-T2 MTZJ5.1B-T2 MTZJ9.1C-T2 1SS133-T2 MTZJ9.1C-T2 1N4003-T2	ZENER DIODE ZENER DIODE ZENER DIODE SI.DIODE ZENER DIODE SI.DIODE	* * * * *
C1704 C1705 C1706	NCB21HK-103X NDC21HJ-151X NCB21HK-104X	C CAP. C CAP. CHIP CAP.	0.01µF 50V K * 150pF 50V J * 0.1µF 50V K *	D1422 D1423	MTZJ75-T2 15S133-T2	ZENER DIODE SI.DIODE	*

Δ	Symbol No.	Part No.	Part Name	Description	Local
	DIOD				
	D1501 D1511 D1541 D1542 D1543-44 D1561 D1562 D1563	MTZJ9.1C-T2 MTZJ3.3A-T2 RGP10J-5025-T3 1SR35-400A-T2 RGP10J-5025-T3 1SS81-T2 MA4068M/Z1/-T2 1SS133-T2	ZENER DIODE ZENER DIODE SI. DIODE SI. DIODE SI. DIODE SI. DIODE ZENER DIODE SI. DIODE		* * * * * * *
Å	D1581 D1582 D1583 D1601-02 D1651-52 D1659-60 D1704-07 D1711	RHIS-T3 RGP10J-5025-T3 MTZJ9.1C-T2 15S133-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 15S133-T2 15S133-T2	SI.DIODE SI.DIODE ZENER DIODE SI.DIODE ZENER DIODE ZENER DIODE SI.DIODE SI.DIODE		* * * * * * * * * * * * * * * * * * *
∱	01717-18 01751 01804 01805 01911 01941-44 01951 01953	MTZJ9.1C-T2 SLR-342VR3F MTZJ5.1B-T2 155133-T2 D35B60 15R35-400A-T2 MTZJ12C-T2 15R35-400A-T2	ZENER DIODE L.E.D. ZENER DIODE SI.DIODE BRIDGE DIODE SI.DIODE ZENER DIODE SI.DIODE SI.DIODE		* * * * * * *
	D1957-58	1SS133-T2	SI.DIODE		*
	TRAN	ISISTO	R		
	Q1101 Q1131-32 Q1161 Q1201-03 Q1261 Q1263-64 Q1271 Q1361	2SC5083/L-P/-T 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC2412K/QR/-X DTC124EKA-X 2SC2412K/QR/-X 2SC2412K/QR/-X	SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR		* * * * * * * *
Δ	Q1371-73 Q1521 Q1522 Q1561 Q1562 Q1602 Q1651-54 Q1655	2SC4544-LB 2SC2655/Y/-T 2SD2499-LB 2SC2785/JH/-T 2SA933AS/QR/-T DTC323TK-X 2SC2412K/QR/-X 2SA1037AK/QR/-X	SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR	H.OUT	* * * * * * * *
	01701-03 01704 01951 01952 01953	2SC2412K/QR/-X DTC323TK-X 2SC2412K/QR/-X 2SA966/OY/-T 2SC2412K/QR/-X	SI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR		* * *
_	IC				
Δ	IC1541	TA1242N BA7612N TC4066BP LA7832 AN7809F LA4446 UPC1851BCU BA15218N	I.C(MONO-ANA) I.C.(MONO-ANA) I.C.(DIGI-MOS) I.C.(MONO-ANA) I.C.(MONO-ANA) I.C.(MONO-ANA) I.C(MONO-ANA) I.C(MONO-ANA) I.C(MONO-ANA) I.C(MONO-ANA)		* * * *
Δ	IC1701 IC1702 IC1703 IC1751 IC1921 IC1951	M37272M8-134SP AT24C02AV20020 L78LR05E-MA GP1U281Q STR30134 TA78L009AP-T	I C I.C. I.C(MONO-ANA) IFR DETECT UNIT I.C. I.C.(MONO-ANA)	(SERVICE)	*

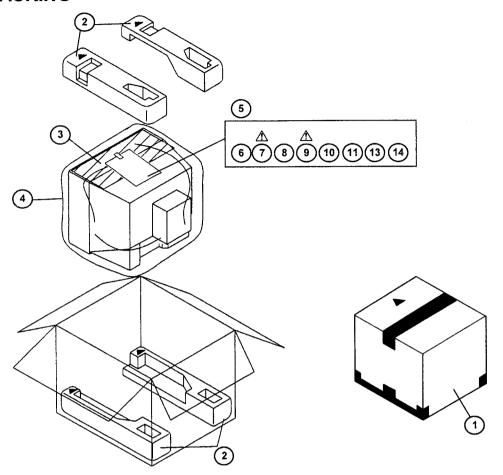
7	Symbol No.	Part No.	Part Name	Description	Loc
	ОТНЕ	RS			
		LC30190-001B-A	LED HOLDER		
	CF1001	FTP47.25MF	CERAMIC FILTER		
	CF1131	CE41505-001	CERAMIC FILTER		
	CF1161	SFSH4.5MCB	CERAMIC FILTER		
	CF1501	CSB503F30-T2	CER.RESONATOR		
	CF1701	CST8.00MTW	CER.RESONATOR		
	CF1702	QAX0428-001	C RESONATOR		
	CL1003	CHJ2040-052-FS	WIRE CLAMP		
7	CN10PW	QMPD200-200-JC	POWER CORD	(Chacorl type)	
Ī	F1901	QMF0007-6R3J1	FUSE	6.3A	
1	F1902	QMF0007-1R25J1	FUSE	1.25A	
	FC1901-02	CEMG002-001Z	FUSE CLIP	(×2)	
۵	FR1720	QRZ9017-820	FUSI.RESISTOR	82 Ω 1/4W J	
	J1003	ONZ0117-001	PIN JACK		
	J1004	ONN0181-001	PIN JACK		
	K1701	QQR0582-001Z	BEADS CORE		
7	LF1901	QQR0864-002	LINE FILTER		
7	RY1901	QSK0083-001	RELAY		
	S1751	QSW0619-003Z	PUSH SWITCH	MENU	
	\$1752	QSW0619-003Z	PUSH SWITCH	CH-	
	\$1753	0SW0619-003Z	PUSH SWITCH	CH+	
	\$1754	0SW0619-003Z	PUSH SWITCH	VOL-	
	\$1755	QSW0619-003Z	PUSH SWITCH	V0L+	
	51756	QSW0619-003Z	PUSH SWITCH	POWER	
	SF1101	CE42589-201	SAW FILTER		
7	SK1371	CE42535-001J1	CRT SOCKET		
7	TH1901	CEKP007-002	P.THERMISTOR		
7	TU1001	QAU0069-001	TUNER		
7	VA1901	ERZV10V361CS	VARISTOR		
	W1019	NRSA02J-OROX	MG R	0.0Ω 1/1 0W J	
	W1053-54	NRSAO2J-OROX	MG R	0.0Ω 1/1 0W J	
	W1061-64	NRSA02J-OROX	MG R	0.0Ω 1/10W J	
	W1066-68	NRSA02J-OROX	MG R	0.0Ω 1/10W J	
	W1071-72	NRSA02J-OROX	MG R	0.0Ω 1/10W J	
	W1082-83	NRSA02J-OROX	MG R	0.0Ω 1/10W J	
	W1109	NRSA02J-OROX	MG R	0.0Ω 1/10W J	
	W1117-18	NRSA02J-OROX	MG R	0.0Ω 1/10W J	
	W1121	NRSA02J-OROX	MG R	0.0Ω 1/10W J	
	W1182-86	NRSA02J-OROX	MG R	0.0Ω 1/10W J	
	W1245-47	NRSA02J-OROX	MG R	0.0Ω 1/10W J	
	W1304-12	NRSA02J-OROX	MG R	0.0Ω 1/10W J	
	W1323-24	NRSA02J-OROX	MG R	0.0Ω 1/1 0W J	
	X1301	QAX0310-001Z	CRYSTAL	0.00 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
	Y1170-71	NRSA02J-OROX	MG R	0.0Ω 1/10W J	
	Y1541	NRSAO2J-OROX	MG R	0.0Ω 1/1 OW J	

REMOTE CONTROL UNIT (RM-C345-1A)



⚠ Ref.No.	Part No.	Part Name	Description	Local
	UR52EC1286A	BATTERY COVER	(RM-C345-1A)	*

PACKING



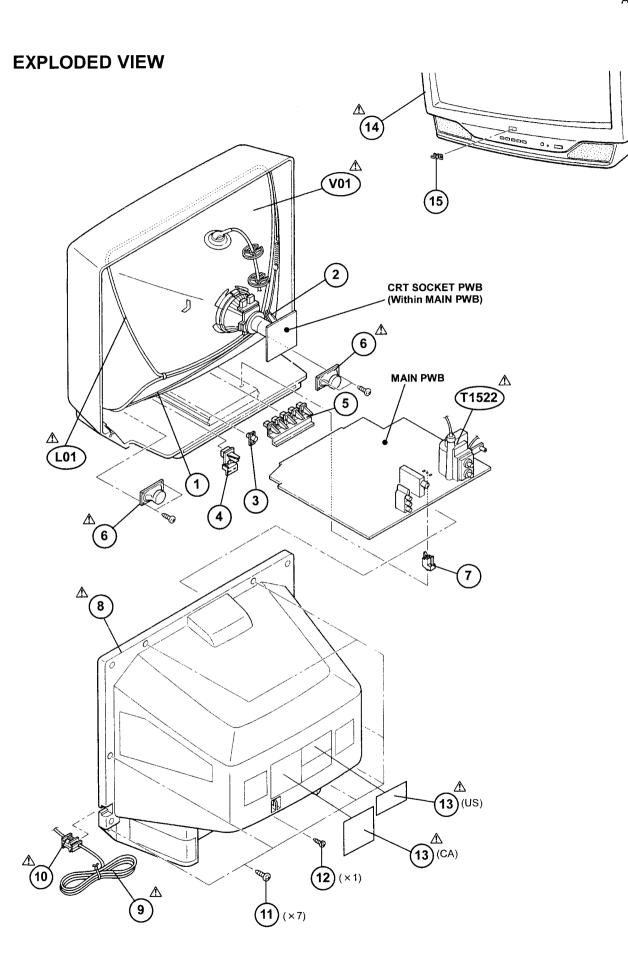
PACKING PARTS LIST

⚠ Ref.No.	Part No.	Part Name	Description	Local
[America m	odel]			
1 2 3 4 5	CP11499-A15-A LC10083-002A-A CP30055-001-A CP30056-008-A OPGA025-03505A	PACKING CASE CUSHION ASSY TOP COVER POLY BAG POLY BAG	4pcs in 1set	* * * *
6 △ 7 8	RM-C345-1A LCT0305-001A-A BT-51006-1Q	REMOCON UNIT INST BOOK REGI.CARD	[ENGLISH]	* *
13	LCT0392-001A-A	QUICK SETUP GUID	[ENGLISH]	*
[Canada m	odel]			
1 2 3 4 5 6 \triangle 7 \triangle 9	CP11499-A15-A LC10083-002A-A CP30055-001-A CP30056-008-A QPGA025-03505A RM-C345-1A LCT0305-001A-A LCT0306-001A-A	PACKING CASE CUSHION ASSY TOP COVER POLY BAG POLY BAG REMOCON UNIT INST BOOK INST BOOK	4pcs in 1set [ENGLISH] [FRENCH]	* * * * * * * * *
10 11 13 14	BT-20071B-Q BT-52002-1Q LCT0392-001A-A LCT0394-001A-A	SVC CENTER LIST WARRANTY CARD QUICK SETUP GUID QUICK SETUP GUID	[ENGLISH] [FRENCH]	* * *

AV-27015(US&CA)

EXPLODED VIEW PARTS LIST

Δ	Ref.No.	Part No.	Part Name	Description	Local
	V01	A68ADT25X01	ITC TUBE(C)	Inc.DY	*
	L01	CE41329-00DJB	DEG COIL		*
Δ	T1522	QQH0028-001	H.V.TRANSF.		*
	1	CHGB0015-0B	BRAIDED WIRE		*
	2	CHGB0016-0C LC30191-001C-A	BRAIDED WIRE REMOCON LENS		*
	4	LC30191-001C-A	POWER KNOB		*
	5	LC30271-001A-A	PUSH KNOB		*
Δ	6	CEBSS09D-03KJ2	SPEAKER	(×2)SP01.SP02	*
	7	CM48144-001-A	PB STOPPER	(1,0,01,0.01	*
Δ	- 8	LC10082-002A-A	REAR COVER		*
Δ	9	QMPD200-200-JC	POWER CORD	CN10PW Within MAIN PWB	*
Δ	10	LC20106-001B-A	POWER CORD CLAMP		*
	11	GBSF4016Z	TAPPING SCREW	(×7)	*
	12	SBSB3010Z	TAPPING SCREW	(×1)	*
Δ	13	CM23034-001-A	RATING LABEL	(AV-27015(US))	*
Δ	13	CM22999-A01-A	RATING LABEL	(AV-27015(CA))	*
Δ	14	LC10081-001E-A	FRONT CABINET	• • •	*
	15	CM48006-A03-H	JVC MARK		*



No. 51500

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SFV-1017A-M2) [AV-27015(US&CA)]

⚠ Symbol No.	Part No.	Part Name	Description Local	∆ Symbol No.	Part No.	Part Name	Description Local
RES	ISTOR			RES	ISTOR		
R1001	QRE121J-5R6Y	C R	5.6Ω 1/2W J *	R1425	NRSA02J-683X	MG R	68kΩ 1/10W J *
R1003-04	NRSA02J-OROX	MG R	0.0Ω 1/10W J *	R1427	NRSA02J-392X	MG R	3.9kΩ 1/10W J *
R1005	QRG01GJ-121	OM R	120Ω 1W J *	R1428	NRSA02J-393X	MG R	39kΩ 1/10W J *
R1101	NRSA02J-820X	MG R	82Ω 1/10W J *	R1429	NRSA02J-223X	MG R	22kΩ 1/10W J *
R1102	NRSA02J-562X	MG R	5.6kΩ 1/10W J *	R1430-31	NRSA02J-OROX	MG R	0.0Ω 1/10W J *
R1103	NRSA02J-182X	MG R	1.8kΩ 1/10W J *	R1433	QRE121J-100Y	C R	10Ω 1/2W J *
R1104	QRE121J-101Y	C R	100Ω 1/2W J *	R1441	QRE121J-102Y	C R	1kΩ 1/2W J *
R1105	NRSAO2J-180X	MG R	18Ω 1/10W J *	R1501	NRSA02J-361X	MG R	360Ω 1/10W J *
R1106	NRSAO2J-270X	MG R	27Ω 1/10W J *	R1502 R1504	NRSA02J-152X	MG R	1.5kΩ 1/10W J *
R1131 R1133	NRSAO2J-271X NRSAO2J-101X	MG R MG R	270Ω 1/10W J * 100Ω 1/10W J *	R1505	NRSAO2J-OROX NRSAO2J-822X	MG R MG R	0.0Ω 1/10W J * 8.2kΩ 1/10W J *
R1134	NRSA02J-101X	MG R	1kΩ 1/10W J *	R1506	NRSA02J-222X	MG R	8.2kΩ 1/10W J * 2.2kΩ 1/10W J *
R1135	NRSAO2J-561X	MG R	560Ω 1/10W J *	R1507	NRSA02J-563X	MG R	56kΩ 1/10W J *
R1136	NRSA02J-182X	MG R	1.8kΩ 1/10W J *	R1511	QRE121J-391Y	C R	390Ω 1/2W J *
R1137	NRSA02J-272X	MG R	2.7kΩ 1/10W J *	R1522	NRSA02J-391X	MG R	390Ω 1/10W J *
R1138	NRSAO2J-821X	MG R	820Ω 1/10W J *	R1523	NRSA02J-471X	MG R	470Ω 1/10W J *
R1139	NRSA02J-OROX	MG R	0.0Ω 1/10W J *	R1524	QRE121J-271Y	C R	270Ω 1/2W J *
R1142	NRSA02J-101X	MG R	100Ω 1/10W J *	R1525	QRG01GJ-220	OM R	22Ω 1W J *
R1145	NRSA02J-472X	MG R	4.7kΩ 1/10W J *	R1526	QRL039J-152	OM R	1.5kΩ 3W J ∗
R1146	NRSA02J-273X	MG R	27kΩ 1/10W J *	R1530	QRE121J-681Y	C R	680Ω 1/2W J *
R1161-62	NRSA02J-102X	MG R	1kΩ 1/10W J *	R1541	QRT029J-1R8	MF R	1.8Ω 2W J *
R1163	NRSA02J-472X	MG R	4.7kΩ 1/10W J *	R1542	QRL029J-101	OM R	100Ω 2W J *
R1164	NRSA02J-332X	MG R	3.3kΩ 1/10W J *	R1543-44	QRT039J-1R0	MF R	1.0Ω 3W J *
R1165	NRSA02J-OROX	MG R	0.0Ω 1/10W J *	R1546	QRL029J-220	OM R	22Ω 2₩ J *
R1201	NRSA02J-OROX	MG R	0.0Ω 1/10W J *	R1561	QRK126J-4R7X	C R	4.7Ω 1/2W J *
R1203	NRSA02J-102X	MG R	1kΩ 1/10W J *	A R1562	NRZ0032-7151X	MF R	7.15kΩ 1/10W J
R1204 -	NRSA02J-681X	MG R	680Ω 1/10W J *	△ R1563 R1564	NRZ0032-2941X	MF R	2.94kΩ 1/10W J
R1205 R1207	NRSAO2J-152X NRSAO2J-OROX	MG R MG R	1.5kΩ 1/10W J * 0.0Ω 1/10W J *	R1565	NRSAO2J-153X NRSAO2J-OROX	MG R MG R	$15k\Omega$ 1/10W J * 0.0Ω 1/10W J *
R1207	NRSA02J-472X	MG R	4.7kΩ 1/10W J *	R1566	NRSA02J~333X	MG R	33kΩ 1/10W J *
R1209	NRSA02J-471X	MG R	47/Ω2 1/10W J *	R1567	NRSA02J-392X	MG R	3.9kΩ 1/10W J *
R1210	NRSA02J-392X	MG R	3.9kΩ 1/10W J *	R1568	NRSA02J-223X	MG R	22kΩ 1/10W J *
01711	NDCAGO : 471V	MC D		R1571	QRX01GJ-1R5	MF R	
R1211 R1212	NRSAO2J-471X NRSAO2J-103X	MG R MG R	470Ω 1/10W J * 10kΩ 1/10W J *	R1581	QRJ146J-2R2X	C R	1.5Ω 1W J * 2.2Ω 1/4W J *
R1213	NRSA02J-103X	MG R	390Ω 1/10W J *	R1582	QRL029J-223	OM R	22kΩ 2W J *
R1215	NR5A02J-334X	MG R	330kΩ 1/10W J *	R1583	QRE121J-333Y	C R	33kΩ 1/2W J *
R1216	NRSAO2J-563X	MG R	56kΩ 1/10W J *	R1584	QRE121J-393Y	Č R	39kΩ 1/2W J ★
R1218	NRSA02J-182X	MG R	1.8kΩ 1/10W J *	R1585	QRE121J-103Y	C R	10kΩ 1/2W J *
R1219	NRSA02J-122X	MG R	1.2kΩ 1/10W J *	R1586	QRE121J-472Y	C R	4.7kΩ 1/2W J *
R1220	NRSA02J-561X	MG R	560Ω 1/10W J *	R1615-16	NRSA02J-123X	MG R	12kΩ 1/10W J *
R1222	NRSA02J-102X	MG R	1kΩ 1/10W J *	R1617-18	NRSA02J-332X	MG R	3.3kΩ 1/10W J *
R1264	NRSAO2J-222X	MG R	2.2kΩ 1/10W J *	R1619-20	NRSAO2J-391X	MG R	390Ω 1/10W J *
R1265	NRSA02J-OROX	MG R	0.0Ω 1/10W J *	R1621-22	QRE121J-4R7Y	C R	4.7Ω 1/2W J *
R1266	NRSA02J-152X	MG R	1.5kΩ 1/10W J *	R1623	NRSA02J-153X	MG R	15kΩ 1/10W J *
R1267	NRSA02J-OROX	MG R	0.0Ω 1/10W J *	R1625	NRSA02J-333X	MG R	33kΩ 1/10W J *
R1271-72	NRSA02J-102X	MG R	1kΩ 1/10W J *	R1627	NRSA02J-101X	MG R	100Ω 1/10W J *
R1278	NRSA02J-152X	MG R	1.5kΩ 1/10W J *	R1651	NRSA02J-102X	MG R	1kΩ 1/10W J *
R1290	NRSA02J-563X	MG R	56kΩ 1/10W J *	R1652-53	NRSA02J-682X	MG R	6.8kΩ 1/10W J *
R1291	NRSA02J-473X	MG R	47kΩ 1/10W J *	R1654	NRSA02J-333X	MG R	33kΩ 1/10W J *
R1298-99	NRSA02J-OROX	MG R	0.0Ω 1/10W J *	R1655	NRSA02J-332X	MG R	3.3kΩ 1/10W J *
R1305	NRSA02J-393X	MG R	39kΩ 1/10W J *	R1656	NRVAO2D-152X	MF R	1.5kΩ 1/10W D *
R1306	NRSA02J-183X	MG R	18kΩ 1/10W J *	R1658	NRVAO2D-153X	MF R	15kΩ 1/10W D *
R1351	NRSA02J-331X	MG R	330Ω 1/10W J *	R1660 R1671-72	NRSAO2J-512X NRSAO2J-102X	MG R	5.1kΩ 1/10W J *
R1352 R1365	NRSAO2J-151X NRSAO2J-152X	MG R	150Ω 1/10W J * 1.5kΩ 1/10W J *	R1677	NRSA02J-102X	MG R MG R	1kΩ 1/10W J * 0.0Ω 1/10W J *
R1366	NRSAUZJ-15ZX NRSAUZJ-563X	MG R MG R	1.5kΩ 1/10W J * 56kΩ 1/10W J *	R1682	NRSA02J-683X	MG R	68kΩ 1/10W J *
R1367	NRSA02J-333X	MG R	33kΩ 1/10W J *	R1683-84 R1701	NRSAO2J-561X NRSAO2J-563X	MG·R MG·R	560Ω 1/10W J * 56kΩ 1/10W J *
R1371-73 R1374-76	NRSA02J-151X	MG R	150Ω 1/10W J * 330Ω 1/10W J *	R1702-04	NRSA02J-563X NRSA02J-103X	MG R	
R1374-76	NRSA02J-331X NRSA02J-101X	MG R	330Ω 1/10W J * 100Ω 1/10W J *	R1705	NRSA02J-103X NRSA02J-823X	MG R	10kΩ 1/10W J * 82kΩ 1/10W J *
R1380-82	QRZ0111-152	MGR CR	1.5kΩ 1/2W J *	R1706	NRSA02J-103X	MG R	10kΩ 1/10W J *
R1383-85	QRL029J-153	OM R	1.5kΩ 2W J *	R1707	NRSA02J-0ROX	MG R	0.0Ω 1/10W J *
R1386-88	NRSA02J-272X	MG R	2.7kΩ 1/10W J *	R1707-09	NRSA02J-103X	MG R	10kΩ 1/10W J *
R1421	NRSA02J-472X	MG R	4.7kΩ 1/10W J *	R1710	NRSA02J-102X	MG R	1kΩ 1/10W J *
R1422	ORE121J-561Y	C R	560Ω 1/2W J *	R1712	NRSA02J-OROX	MG R	0.0Ω 1/10W J *
R1423	QRX01GJ-1R0	MF R	1.0Ω 1W J *	R1713	NRSA02J-102X	MG R	1kΩ 1/10W J *

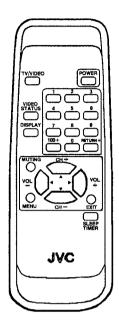
∆ Symbol No.	Part No.	Part Name	Description Local	∆ Symbol No.	Part No.	Part Name	Description Loca
RESI	STOR			CAPA	ACITOR		
R1714 R1715 R1716 R1717 R1719 R1721-22 R1723	NRSA02J-471X NRSA02J-105X NRSA02J-154X NRSA02J-563X NRSA02J-102X NRSA02J-0R0X NRSA02J-105X	MG R MG R MG R MG R MG R MG R	470Ω 1/10W J * 1MΩ 1/10W J * 150kΩ 1/10W J * 56kΩ 1/10W J * 1kΩ 1/10W J * 0.0Ω 1/10W J * 1MΩ 1/10W J * 1kΩ 1/10W J *	C1106 C1107 C1108 C1131 C1132 C1133 C1134 C1135	NCB21HK-103X NRSA02J-0R0X NDC21HJ-680X QFV71HJ-154Z NCB21HK-154Z QETN1HM-474Z NCB21HK-472X NCB21HK-103X	C CAP. MG R C CAP. MF CAP. C CAP. E CAP. C CAP. C CAP.	0.01μF 50V K 0.0Ω 1/10W J 68pF 50V J 0.15μF 50V J 1500pF 50V K 0.47μF 50V M 4700pF 50V K 0.01μF 50V K
R1724 R1725 R1726 R1727 R1728 R1729 R1730 R1732 R1733	NRSA02J-102X NRSA02J-103X NRSA02J-392X NRSA02J-103X NRSA02J-153X NRSA02J-682X NRSA02J-102X NRSA02J-103X	MG R	10kΩ 1/10W J * 3.9kΩ 1/10W J * 10kΩ 1/10W J * 10kΩ 1/10W J * 3.9kΩ 1/10W J * 15kΩ 1/10W J * 1kΩ 1/10W J * 1kΩ 1/10W J *	C1138 C1161 C1162 C1163-64 C1166 C1167 C1169-70 C1205	QETN1CM-476Z QETN1CM-107Z NCB21HK-103X NDC21HJ-470X NCB21HK-103X NDC21HJ-470X NCB21HK-103X NDC21HJ-680X	E CAP. E CAP. C CAP.	47µF 16V M 100µF 16V M 0.01µF 50V K 47µF 50V J 0.01µF 50V K 47µF 50V J 0.01µF 50V K 68µF 50V J
R1734 R1735 R1736 R1737 R1738 R1739 R1740 R1741	NRSA02J-182X NRSA02J-102X NRSA02J-332X NRSA02J-472X NRSA02J-152X NRSA02J-472X NRSA02J-152X NRSA02J-472X NRSA02J-472X	MG R MG R MG R MG R MG R MG R MG R	1.8kΩ 1/10W J * 1kΩ 1/10W J * 3.3kΩ 1/10W J * 4.7kΩ 1/10W J * 1.5kΩ 1/10W J * 4.7kΩ 1/10W J * 1.5kΩ 1/10W J * 4.7kΩ 1/10W J *	C1207 C1208 C1209-10 C1212 C1214 C1215 C1217 C1254-55	QETN1HM-4742 QETN1HM-1062 QETN1HM-105Z NCB21HK-104X QETN1HM-106Z QETN1HM-105Z QETN1HM-105Z QETN1HM-106Z	E CAP. E CAP. E CAP. CHIP CAP. E CAP. E CAP. E CAP. E CAP. E CAP.	0.47µF 50V M 10µF 50V M 1µF 50V M 0.1µF 50V K 10µF 50V M 1µF 50V M 1µF 50V M 47µF 16V M 10µF 50V M
R1742 R1743-44 R1745-46 R1747 R1751 R1752 R1753 R1754	NRSA02J-152X NRSA02J-0R0X NRSA02J-561X NRSA02J-0R0X NRSA02J-103X NRSA02J-472X NRSA02J-153X NRSA02J-103X	MG R MG R MG R MG R MG R MG R MG R	1.5kΩ 1/10W J * 0.0Ω 1/10W J * 560Ω 1/10W J * 0.0Ω 1/10W J * 10kΩ 1/10W J * 4.7kΩ 1/10W J * 15kΩ 1/10W J * 10kΩ 1/10W J *	C1256 C1274 C1303 C1304 C1305 C1306 C1307 C1309	QETN1CM-107Z QETN1HM-105Z NCB21HK-103X QETN1CM-107Z NDC21HJ-100X NCB21HK-223X QETN1HM-474Z NDC21HJ-2R0X	E CAP. E CAP. C CAP.	100µF 16V M 1µF 50V M 0.01µF 50V K 100µF 16V M 10pF 50V J 0.022µF 50V K 0.47µF 50V M 2.0pF 50V J
R1755 R1756 R1757 R1758 R1759 R1765-66 R1767 R1768	NRSA02J-472X NRSA02J-153X NRSA02J-122X NRSA02J-122X NRSA02J-0R0X NRSA02J-0R0X NRSA02J-474X NRSA02J-473X	MG R	4.7kΩ 1/10W J * 15kΩ 1/10W J * 1.2kΩ 1/10W J * 1.2kΩ 1/10W J * 1.2kΩ 1/10W J * 0.0Ω 1/10W J * 470kΩ 1/10W J * 47kΩ 1/10W J *	C1355 C1356 C1374-76 C1377 C1391 △ C1392 C1401 C1402	NRSA02 J - OROX NCB21HK - 104X NCS21HJ - 561X QETN1CM - 1072 QETM2EM - 226 QCZ0121 - 102 QETN1HM - 225Z QBHC1CK - 225Z	MG R CHIP CAP. C CAP. E CAP. E CAP. C CAP. C CAP. TAN.CAP.	0.0Ω 1/10W J 0.1μF 50V K 560pF 50V J 100μF 16V H 22μF 250V M 1000pF 3kV Z 2.2μF 50V M 2.2μF 16V K
R1769 R1771 R1804-06 A R1901 A R1921 R1923 R1924 R1925	NRSA02J-102X NRSA02J-0R0X NRSA02J-101X QRF074K-1R2 QRX029J-2R7 QRJ14GJ-470X QRN141J-334Y QRN141J-123Y	MG R MG R MG R UNF R MF R C R C R C R	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C1403 C1421 C1424 C1425 C1426 C1427 C1428 C1429	NCB21HK-102X NCB21HK-472X QETN1VM-1077 QETN1VM-4777 QFLC2AK-473Z QETM1EM-228 QFV21HJ-4747 QFV21HJ-224Z	C CAP. C CAP. E CAP. E CAP. M CAP. E CAP. MF CAP. MF CAP.	1000pF 50V K 4700pF 50V K 100µF 35V M 470µF 35V M 0.047µF 100V K 2200µF 25V M 0.47µF 50V J 0.22µF 50V J
↑ R1926 ↑ R1927 R1952 R1953 R1954 R1955 R1956 R1957	QRF154J-271 QRF154J-271 NRSA02J-222X NRSA02J-122X QRE121J-102Y NRSA02J-223X QRE121J-101Y NRSA02J-222X	UNF R UNF R MG R C R MG R C R MG R	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C1501 C1502 C1503 C1505 C1511 C1521 C1522 C1522	QETN1CM-107Z QETN1HM-106Z NCB21HK-103X QETN1HM-106Z QETN1CM-476Z NCB21HK-332X NCB21HK-822X QEM61HK-105Z	E CAP. E CAP. C CAP. E CAP. E CAP. C CAP. C CAP. C CAP. E CAP.	100μF 16V M 10μF 30V M 0.01μF 50V K 10μF 50V M 47μF 16V M 3300pF 50V K 8200pF 50V K
R1958 ▲ R1981	NRSA02J-103X QRZ9041-275	MG R C R	10kΩ 1/10W J * 2.7MΩ 1/2W K *	△ C1524 △ C1525 △ C1526	QFZ0117-1252 QEZ0203-107 QFZ0119-434	MPP CAP. E CAP. MPP CAP.	12500pF1.4kVH±2.5% 100μF 16OV M 0.43μF 200V ±3%
C1001 C1003 C1004 C1005 C1006	QETN1HM-106Z QETN1AM-477Z QETN1HM-106Z NCB21HK-103X QETN1CM-476Z	E CAP. E CAP. E CAP. C CAP. E CAP.	10μF 50V M * 470μF 10V M * 10μF 50V M * 0.01μF 50V K * 47μF 16V M *	C1527 C1543 C1545 C1546 C1548 A C1561 C1562	QCB32HK-561Z QETN1VM-477Z QETN1CM-227Z QETN1CM-227Z QETN1CM-227Z QETN1HM-106Z QETN1HM-475Z	C CAP. E CAP. E CAP. E CAP. E CAP. E CAP. E CAP.	560pF 500V K 470µF 35V M 220µF 16V M 470µF 16V M 220µF 16V M 10µF 50V M 4.7µF 50V M
C1011-12 C1101-04 C1105	NCB21HK-102X NCB21HK-103X QETN1CM-107Z	C CAP. C CAP. E CAP.	1000pF 50V K * 0.01μF 50V K * 100μF 16V M *	C1563 Δ C1581 C1582	NCB21HK-103X QETN2EM-106Z NCB21HK-473X	C CAP. E CAP. C CAP.	0.01µF 3OV K 10µF 25OV M 0.047µF 3OV K

Δ	Symbol No.	Part No.	Part Name	Description Loc	cal 🛆	Symbol No.	Part No.	Part Name	Description	n Local
	CAPA	CITOR			_	CAPA	CITOR			
	C1583 C1584 C1614 C1615 C1616 C1617 C1618 C1619	QETN1HM-225Z QFLC2AJ-104Z QETN1EM-108Z MRSA02J-0R0X QENC1HM-474Z QETN1CM-476Z QETN1CM-107Z QETN1CM-477Z	E CAP. M CAP. E CAP. MG R BP E CAP. E CAP. E CAP. E CAP. E CAP.	2.2μF 50V M 0.1μF 100V J 1000μF 25V M 0.0Ω 1/10W J 0.47μF 50V M 47μF 16V M 100μF 16V M 470μF 16V M		C1913 C1914 C1921 C1922 C1951 C1953 C1954 C1956	QC79074-472 QEZ0429-477 QEHR2CM-335Z QEHBZCM-336 QETNIEM-227Z QETNIEM-107Z NCB21HK-473X QETNIHM-106Z	C CAP. E CAP. E CAP. E CAP. E CAP. E CAP. C CAP. E CAP. C CAP.	4700pFAC125V / 470μF 200V / 3.3μF 160V / 33μF 160V / 220μF 25V / 100μF 25V / 10μF 50V /	* * * * * * * * * * * * * * * * * * *
	C1620 C1621 C1622 C1623 C1624 C1625 C1626 C1627	NCB21HK-104X NRSA02J-0R0X QENC1HM-474Z QETN1CM-476Z QETN1CM-107Z QETN1CM-477Z NCB21HK-104X QETN1CM-477Z	CHIP CAP. MG R BP E CAP. E CAP. E CAP. E CAP. CHIP CAP. E CAP.	0.1μF 50V K 0.0Ω 1/10W J 0.47μF 50V M 47μF 16V M 100μF 16V M 470μF 16V M 0.1μF 50V K 470μF 16V M		C1958 C1959 C1981 C1982	QETN1EM-107Z QETN1HM-226Z QCZ9074-103 QCZ9074-103	E CAP. E CAP. C CAP. C CAP.	100μF 25V 1 22μF 50V 1 0.01μFAC125V 1 0.01μFAC125V 1	1 * 1 *
	C1651 C1652 C1653 C1654 C1655 C1656 C1657	NCB21HK-103X QETN1CM-107Z QETN1CM-476Z NCB21HK-104X QENC1HM-475Z QENC1HM-105Z QETN1HM-225Z	C CAP. E CAP. E CAP. CHIP CAP. BP E CAP. BP E CAP. E CAP.	0.01µF 50V K 100µF 16V M 47µF 16V M 0.1µF 50V K 4.7µF 50V M 1µF 50V M 2.2µF 50V M	*	T1131 T1161 T1521 T1522 T1901	QQR0907-001 CELT003-109J3 CE41106-00CJ1 QQH0028-001 QQT0198-001	I.F.TRANSFOMER S.I.F.TRANSF. DRIVE TRANSF. H.V.TRANSF. POWER TRANSF		* * * * *
	C1658 C1659 C1660-61 C1662 C1663 C1664 C1665-66 C1667 C1668	NCB21HK-473X QETN1HM-474Z NCB21HK-104X QBTC1CK-335Z QETN1HM-105Z QBTC1CK-106Z QETN1HM-105Z QETN1HM-336Z QETN1HM-316Z	C CAP. E CAP. CHIP CAP. TAN.CAP. E CAP. TAN.CAP. E CAP. E CAP. E CAP. E CAP.	0.047µF 50V K 0.47µF 50V M 0.1µF 50V K 3.3µF 16V K 1µF 50V M 10µF 16V K 1µF 50V M 33µF 50V M	* * * * * * *	L1001 L1003 L1102 L1104 L1131 L1161 L1162 L1201	QQL03BJ-150Z QQL03BJ-5R6Z QQL2014-R22 QQL03BJ-680Z QQL03BJ-220Z QQL03BJ-680Z QQL03BJ-390Z QQL03BJ-330Z	COIL COIL COIL COIL COIL COIL COIL COIL	15µН Ј 5.6µН Ј 68µН Ј 22µН Ј 68µН Ј 39µН Ј 33µН Ј	* * * * * * * * * *
	C1671 C1672 C1673 C1674 C1675 C1676	QETN1HM-225Z NCB21HK-222X NCB21HK-104X QETN1HM-225Z NCB21HK-222X NCB21HK-104X	E CAP. C CAP. CHIP CAP. E CAP. C CAP. CHIP CAP.	2.2µF 50V M 2200pF 50V K 0.1µF 50V K 2.2µF 50V M 2200pF 50V K 0.1µF 50V K	* * * * * * * *	L1391 L1521 L1701 L1709	QQL03BJ-390Z CELL004-001 QQL03BJ-4R7Z QQL03BJ-100Z	COIL LINEARITY COIL COIL COIL	39µН Ј 4.7µН Ј 10µН Ј	*
	C1679 C1685-86 C1687-88 C1701 C1703 C1704 C1705 C1706 C1707 C1708	QETN1HM-105Z QETN1HM-106Z NCB21HK-472X NCC21HJ-560X NCB21HK-102X NCB21HK-103X NCC21HJ-151X NCB21HK-104X QETN1HM-105Z NCS21HJ-221X	E CAP. E CAP. C CAP.	1μF 50V M 10μF 50V M 4700pF 50V K 56pF 50V J 1000pF 50V K 0.01μF 50V K 150pF 50V J 0.1μF 50V K 1μF 50V M 220pF 50V J	* * * * * * * * * * * * * * * * * * * *	D1001 D1002 D1003-04 D1201-03 D1254 D1421 D1422 D1423	MTZJ33B-T2 MTZJ5.1B-T2 MTZJ9.1C-T2 155133-T2 MTZJ9.1C-T2 1N4003-T2 MTZJ75-T2 155133-T2	ZENER DIODE ZENER DIODE SI.DIODE ZENER DIODE SI.DIODE ZENER DIODE SI.DIODE ZENER DIODE ZENER DIODE ZENER DIODE		* * * * * * * * *
	C1709 C1710 C1711 C1712 C1714 C1716 C1717 C1718	NCS21HJ-102X NDC21HJ-681X QETN1HM-474Z NCB21HK-102X NCB21HK-103X QETN1CM-476Z NCB21HK-104X NCB21HK-104X	C CAP. C CAP. E CAP. C CAP. C CAP. E CAP. C CAP. E CAP. C CHIP CAP. C CAP.	1000pF 50V J 680pF 50V J 0.47µF 50V M 1000pF 50V K 0.01µF 50V K 47µF 16V M 0.1µF 50V K	*	D1511 D1541 D1542 D1543-44 D1561 D1562 D1563	MTZJ3.3A-T2 RGP10J-5025-T3 1SR35-400A-T2 RGP10J-5025-T3 1SS81-T2 MA4068M/Z1/-T2 1SS133-T2 RH15-T3	ZENER DIODE SI. DIODE SI. DIODE SI. DIODE SI. DIODE SI. DIODE SI. DIODE ZENER DIODE SI. DIODE SI. DIODE		* * * * * *
	C1719-20 C1721 C1722-23 C1724 C1725 C1726 C1735	QETN1CM-107Z MCB21HK-104X NDC21HJ-5ROX MCB21HK-103X QETN1AM-227Z NDC21HJ-470X NCB21HK-103X	E CAP. CHIP CAP. C CAP. E CAP. C CAP. C CAP. C CAP.	100µF 16V M 0.1µF 50V K 5.0pF 50V J 0.01µF 50V K 220µF 10V M 47pF 50V J 0.01µF 50V K	* * * * * * * *	D1582 D1583 D1601-02 D1651-52 D1659-60 D1704-07 D1711	RGP10J-5025-T3 MTZJ9.1C-T2 1SS133-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 1SS133-T2 1SS133-T2 MTZJ9.1C-T2	SI.DIODE ZENER DIODE SI.DIODE ZENER DIODE ZENER DIODE SI.DIODE SI.DIODE ZENER DIODE SI.DIODE		* * * * * * *
Δ Δ Δ	C1751 C1801-03 C1901 C1902 C1911 C1912	QETN1CM-476Z QENC1HM-474Z QF29040-104 QF29040-473 QC29074-472 QC29074-472	E CAP. BP E CAP. MF CAP. MF CAP. C CAP. C CAP.	47μF 16V M 0.47μF 50V M 0.1μFAC275V M 0.047μFAC275V M 4700pFAC125V M	* * * * * * *	D1751 D1804 D1805 D1911 D1941-44 D1951	SLR-342VR3F MTZJ5.18-T2 155133-T2 D35B60 15R35-400A-T2 MTZJ12C-T2	L.E.D. ZENER DIODE SI.DIODE BRIDGE DIODE SI.DIODE ZENER DIODE		* * * * * *
					_ -					

7	Symbol No.	Part No.	Part Name	Description Loca
	DIOD	ΡE		
	D1953 D1957-58	1SR35-400A-T2 1SS133-T2	SI.DIODE SI.DIODE	
	TRAN	ISISTO	R	
	Q1101 Q1131-32 Q1161 Q1201-03 Q1261 Q1271 Q1361 Q1371-73	2SC5083/L-P/-T 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC4424-LB	SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR	
Δ	Q1521 Q1522 Q1561 Q1562 Q1602 Q1701-03 Q1704 Q1951	2SC2655/Y/-T 2SD2499-LB 2SC2785/JH/-T 2SA933AS/QR/-T DTC323TK-X 2SC2412K/QR/-X DTC323TK-X 2SC2412K/QR/-X	SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR DIGI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR	H. OUT
	Q1952 Q1953	2SA966/0Y/-T 2SC2412K/QR/-X	SI.TRANSISTOR SI.TRANSISTOR	
	IC			
Δ	IC1201 IC1251 IC1421 IC1541 IC1602 IC1651 IC1701 IC1702	TA1242N BA7612N LA7832 AN7809F LA4446 UM37272M8-134SP AT24C02AV20020	I.C(MONO-ANA) I.C.(MONO-ANA) I.C.(MONO-ANA) I.C.(MONO-ANA) I.C(MONO-ANA) I.C(MONO-ANA) I.C(MONO-ANA) I.C.(MONO-ANA) I.C.(MONO-ANA) I.C.	(SERVICE)
Δ	IC1703 IC1751 IC1921 IC1951	L78LR05E-MA GP1U281Q STR30134 TA78L009AP-T	I.C(MONO-ANA) IFR DETECT UNIT I.C. I.C.(MONO-ANA)	
	отн	ERS		
	CF1001 CF1131 CF1161 CF1501 CF1701 CF1702 CL1003	LC30190-001B-A FTP47.25MF CE41505-001 SFSH4.5MCB CSB503F30-T2 CST8.00HTW QAX0428-001 CHJ2040-052-FS	LED HOLDER CERAMIC FILTER CERAMIC FILTER CERAMIC FILTER CER.RESONATOR CER.RESONATOR C RESONATOR WIRE CLAMP	
<u>∧</u>	CN10PW F1901 F1902 FC1901-02 FR1720 J1003 K1701 LF1901	QMPD200-200-JC QMF0007-6R3J1 QMF0007-1R25J1 CEMG002-001Z QRZ9017-820 QNN0182-001 QQR0582-001Z QQR0864-002	POWER CORD FUSE FUSE FUSE CLIP FUSI.RESISTOR PIN JACK BEADS CORE LINE FILTER	(Chacorl type) 6.3A 1.25A (×2) 82 Ω 1/4₩ J
Δ	RY1901 51751 51752 51753 51754 51755 51756 5F1101	QSK0083-001 QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z CE42589-201	RELAY PUSH SWITCH SAW FILTER	MENU CH- CH+ VOL- VOL+ POWER
Δ Δ Δ	TH1901	CE42535-001J1 CEKP007-002 QAU0069-001 ERZV10V361CS NRSA02J-0ROX	CRT SOCKET P.THERMISTOR TUNER VARISTOR MG R	0.0Ω 1/10W J

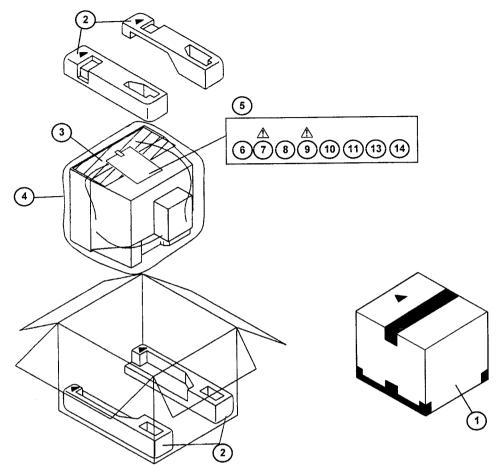
Local	on	Description	Part Name	Part No.	∆ Symbol No.
				RS	ОТНЕ
*	J	0.0Ω 1/10W	MG R	NRSA02J-OROX	W1053-54
*	J	0.0Ω 1/10W	MG R	NRSA02J-OROX	W1061-64
*	J	0.0Ω 1/10W	MG R	NRSA02J-OROX	W1066-68
*	J	0.0Ω 1/10W	MG R	NRSA02J-OROX	W1071-72
*	j	0.0Ω 1/10W	MG R	NRSA02J-OROX	W1082-83
*	J	0.0Ω 1/10W	MG R	NRSA02J-OROX	W1109
*	j	0.0Ω 1/10W	MG R	NRSA02J-OROX	W1117-18
*	j	$0.0\Omega~1/10W$	MG R	NRSA02J-OROX	W1121
*	J	0.0Ω 1/10W	MG R	NRSA021-OROX	W1182-86
*	J	0.0Ω 1/10W	MG R	NRSA02J-OROX	W1245-47
*	J	0.0Ω 1/10W	MG R	NRSA02J-OROX	W1304-12
*	J	0.0Ω 1/10W	MG R	NRSA02J-OROX	W1323-24
*			CRYSTAL	0AX0310-001Z	X1301
*	1	0.0Ω 1/10W	MG R	NRSA021-OROX	Y1170-71
*	J	0.0Ω 1/10W	MG R	NRSA02J-OROX	Y1271-72
*	J	0.0Ω 1/10W	MG R	NRSA02J-OROX	Y1541

REMOTE CONTROL UNIT (RM-C241-1H)



⚠ Ref.No.	Part No.	Part Name	Description	Local
	103RRS-093-01R	BATTERY COVER	(RM-C241-1H)	*

PACKING



PACKING PARTS LIST

⚠ Ref.No.	Part No.	Part Name	Description	Local
[America n	nodel]			
1	CP11499-A15-A	PACKING CASE	4	*
2	LC10083-002A-A	CUSHION ASSY	4pcs in 1set	*
3	CP30055-001-A	TOP COVER		*
4	CP30056-008-A	POLY BAG		*
5	QPGA025-03505A	POLY BAG		*
6	RM-C241-1H	REMOCON UNIT INST BOOK	[ENGLISH]	*
△ 7	LCT0305-001A-A	REGI.CARD	[EMGET 201]	*
8	BT-51006-1Q	REGI. CARD		•
13	LCT0392-001A-A	QUICK SETUP GUID	[ENGLISH]	*
[Canada m	odel]			
1	CP11499-A15-A	PACKING CASE		*
2	LC10083-002A-A	CUSHION ASSY	4pcs in 1set	*
3	CP30055-001-A	TOP COVER		*
4	CP30056-008-A	POLY BAG		*
5	QPGA025-03505A	POLY BAG		*
6	RM-C241-1H	REMOCON UNIT		*
6 ∆ 7	LCT0305-001A-A	INST BOOK	[ENGLISH]	*
∆ 9	LCT0306-001A-A	INST BOOK	[FRENCH]	*
10	BT-20071B-Q	SVC CENTER LIST		*
11	BT-52002-1Q	WARRANTY CARD		*
13	LCT0392-001A-A	QUICK SETUP GUID	[ENGLISH]	*
14	LCT0394-001A-A	QUICK SETUP GUID	[FRENCH]	*

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Memo

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